CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Terminal facilities, Jersey City, N. J., Pennsylvania R.R. Co., Phila., Pa., soon takes bids, $40,000,000.

Archives, Wash., D. C., Treas. Dpt., at office Supervising Archt., tentative sketches, $8,750,000.

Oil pipe line, Texas, American Maracaibo Oil Co., New York, preliminary plans, $7,000,000.

Hotel, Jersey City, N. J., Thomas, Martin & Kilpatrick, engrs. and archts., Phila., Pa., will award contract about Mar. 15, for owners, $5,000,000.

Theatre, Office, etc., Newark, N. J., A. M. Greenfield, M. Bachlin, in charge, sketches, $5,000,000.

Power plant, South Amboy, N. J., Jersey Central Power & Light Co., Morristown, subsidiary National Light & Power Co., New York, $5,000,000.

University, Columbia, Mo., University of Missouri, $2,601,000.

Excavation, Brownwood, Tex., Brown Co., Water Control & Impvt. Dist. 1, $2,500,000.

Passenger station, Omaha, Neb., Union Station Co., bids in spring, $2,500,000.

Bridge, Illinois and Kentucky, Cairo & Kentucky Bridge Co., c/o H. M. Byllesby & Co., Chicago, Ill., soon takes bids, $2,000,000.

Office and garage, San Antonio, Tex., J. M. Mix, soon lets contract, $1,500,000.

Sewage disposal plant, Bay Shore, N. Y., Sewerage Comn., bids probably in May, $1,500,000.

College and residence, Toronto, Ont., Victoria College, $1,500,000.

Filtration plant, Ottawa, Ont., voted, $1,315,000.

Hospital, Newark, N. J., Newark Memorial Hospital, $1,250,000.

Power plant, Portland, Ore., Northwestern Electric Co., $1,200,000.

College, Los Angeles, Calif., Mt. St. Mary's College, $1,000,000.

Plant, Birmingham, Ala., Pullman Car & Mfg. Co., Chicago, Ill., to exceed, $1,000,000.

Museum, New York, N. Y., Museum of City of New York, $1,000,000.

Bids Asked

Bank, etc., Minneapolis, Minn., Jan. 3, by Northwestern Nat'l Bank Building Co. and L. S. Donaldson Co., $4,000,000.

Office, Seattle, Wash., United Exchange Building Inc., bids about Feb. 1, $3,500,000.

Bridge, Chicago, Ill., Bd. Local Impvts. bids about Jan. 14, $2,900,000.

County-City building, Seattle, Wash., Jan. 10, by Comrs. King Co., $2,210,000.

American Legion Memorial, San Francisco, Calif., San Francisco Memorial Com., bids about Jan. 5, $2,000,000.

Medical, Wash., D. C., G. A. Diddeau, archt., taking bids for Georgetown University, $1,000,000.

Public Bond Elections, coming and decided, are listed on Construction News page 327a.

Apartment, Brooklyn, N. Y., Garfield Park Corp., A. W. Barler, taking bids on separate contracts, $1,000,000.

Hospital, Chicago, Ill., J. W. McCarthy, archt., soon lets contract for Little Company of Mory, $1,000,000.

Bids Received

Steamships, New York, N. Y., American Export Lines, from H. B. Spear, Norfolk, Va., at $1,990,750 each.

Contracts Awarded

Apartment, St. Louis, Mo., Park Plaza Building Corp., separate contracts, $5,000,000.

Refrigerator cars, St. Louis, Mo., American Refrigerator Transit Co., to Pressed Steel Co., Chicago, Ill., to exceed $3,000,000.

Hangar, Akron, O., Goodyear Zeppelin Corp., to Clemer & Noah, Akron, est., $2,000,000.

Arena, Newark, N. J., Newark Garden Corp., New York, general contract to Blumenthal Associates, New York, est., $1,507,000.

State office, Albany, N. Y., A. E. Smith, governor and chn. State Building & Site Comn., general contract to Seglin-Harrison Constr. Co., Buffalo and others totaling, $1,991,016.

Factory, Kearny (sta. Arlington), N. J. Western Electric Co., New York, general contract to Austin Co., New York, est., $1,250,000.

Hotel, Victoria, B. C., Canadian Pacific Ry., Montreal, Inc., to Carter-Halls-Aldinger Co., Ltd., Vancouver, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

O., Cincinnati—Hamilton Co., 55,567 ft. 4- to 12-in. mains in Water Supply Line 110, Dists. 1, 2, 3, 7 and 8. $101,620. L. C. Boyatt, Court House, engr.

O., Spencerville—Clerk of Bd. soon takes bids wells, distributing system, elevated tank, pump house. $45,000. G. Champe, Security Bank Bldg., Toledo, engr.

O., Woodville—Clerk of Bd. soon takes bids wells, distributing system, elevated tank, pump station. $55,000. G. Champe, Security Bank Bldg., Toledo, engr.

Okla., Blackwell — Preliminary plans water supply, incl. dam across Chickasha River. $25,000. W. Ritzhaupt, Blackwell, engr.

Okla., Sailing—Surveys new waterworks. $25,000. E. W. Gantt & Co., 1115 West Main St., Oklahoma City, engrs.

California—California Water Service Co., 111 Sutter St., San Francisco, granted permit to appropriate 50 cu.ft. sec. and 22,000 acre ft. water from lower Sacramento River, to supply towns Crockett, Port Costa, Martinez, Concord, Avon, Bay Point, Pittsburg and Antioch, Contra Costa Co. Est. $5,555,000. Noted Sept. 20.

Sask., Regina—Township Council, completing aqueduct. $140,000. Noted May 17.

Ont., Ottawa—Voted to improve mechanical filtration plant. $1,315,000.

Que., Jonquiere—A. Gautluer, mayor, installing filtration plant. $100,000.

Bids Asked

N. Y., New York — Dec. 28, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., repairing, altering settings Geary Water Tube Boilers 1 and 2, at 179th St. and Amsterdam Ave. Pumping Station.

O., Weston—Feb. 1, by A. Pettit, clk., wells, distributing system, elevated tank, pump house. $45,000. G. Champe, Security Bank Bldg., Toledo, engr.

Tex., Mercedes—Central Power & Light Co., c/o Frost Bldg., San Antonio, F. Ludden, dist. mgr., taking bids 2-story, rein.-con., brick, hollow tile filtration plant. $50,000. Private plans.

Plaster, metal lath, etc.

Wash., Toledo—Bids about Jan. 10, rebuilding waterworks, incl. enlarging reservoir to 60,000 gal. capacity, 20,000 ft. 4- to 8-in. c.i. mains. $25,000 voted for same. Burwell Bantz, Chehalis, engr. Noted Nov. 22.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Wash., Tukwila—Jan. 3, by City Clerk, 9,000 ft. 4 in. steel supply line, 150,000 gal. elevated wood stave tank, 3,000 ft. 2- to 3-in. wood mains for waterworks. $38,000. J. D. Blackwell, Lumber Exch. Bldg., Seattle, engr.

Contracts Awarded

N. Y., Brooklyn—J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenue Q, Ditmas, Flatbush, Foster and Miller Aves., to Knight & DeMicco, Inc., 4197 Park Ave., New York, $8,411. Noted Dec. 6.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Arlington, Benedick, Bronxwood Aves., to Knight & DeMicco, Inc., 4197 Park Ave., $10,325. Noted Dec. 6.

Maryland — Wash. Suburban Sanitary Com., P. R. H. Duckett, pres., Evans Bldg., Wash., D. C., furnishing 10,000 ft. 6 in., 5,000 ft. 8 in. and 1,200 lin.ft. 10 in. c.i. pipe in Montgomery and Prince George Counties, to Amer. Cast Iron Pipe Co., Acipco, Birmingham, Ala.

Mich., Detroit — D. C. Grobbel, acting secy. Dpt. Water Supply, Water Board Bldg., 40 m.g.p.d. motor driven centrifugal pump, to Worthington Pump & Mchy. Corp., 2 Park Ave., New York, $21,926.

Mich., Detroit — Secretary Bd. Water Comrs., twenty-four 24 in. and twelve 48 in. gate valves to Michigan Valve & Fdry. Co., Clayton and Parkinson Aves., at $450 and $1,805 respectively; twelve 36 in. valves to Chapman Valve Mfg. Co., 610 Empire Bldg., at $970 each.

Sewers

Proposed Work

N. Y., Bay Shore—Sewerage Comn., H. McWhorter, chn. bids probably in May, sewage disposal plant. $1,500,000. A. J. Provost, Jr., 41 West 38th St., New York, engr. Noted Mar. 1.

N. C., Charlotte—Outfall sewer $219,015, sewer lines, to Briar Creek outfall, $70,858, other sewer lines $200,197. R. L. Brown, comr. P. Wks.

O., Dayton—Soon takes bids 60 in. rein.-con. or vitr. storm sewer in Leonard St. $30,000. J. F. Hale, city engr.

See proposal advertising on page 122

Constr. News page 325

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

"The World's Playground" has used Leadite with complete satisfaction for over 20 years

ATLANTIC CITY, New Jersey, is proud of its well-paved streets. In laying new or additional cast iron mains, the engineers always use Leadite. They know from the experience of nearly one-quarter of a century that Leadite joints are absolutely secure and that the occasion will not arise where paved streets have to be dug up to repair the line.

In addition to the mains under the paved streets, Leadite was used for jointing the 24" main that runs under the famous boardwalk.

Other lines run through salt marshes, over bridges and under numerous railroad tracks.

The sizes of these mains run from 4" to 48".

Mr. L. Van Gilder is Engineer and Superintendent of the Atlantic City water department.

Added to the security and permanence of Leadite joints there is a saving of 75%.

For its economy—permanence—security—and the speed with which jointing can be finished—Water Works men specify and use Leadite.

Laying 24" c. i. water mains, with Leadite Joints, in Atlantic City under paved street.

Specify and use LEADITE —it saves at least 75%

Be sure it is LEADITE and accept no imitations~~~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Sewers (Continued)

Mich., Dearborn—For 9,931 ft. 6½ ft. to 9 ft. concrete Southeast trunk sewer, concrete pumping station. R. H. Erley, city engr.

Mich., Detroit — Dpt. P. Wks., 12- to 24-in. concrete or vitr. lateral sewers in districts, incl. Lahser, Meyers, Lumley, Dale, Salem and Dean Aves. $63,000. P. A. Fellows, City Hall, engr.

Wis., Chetek—City, c/o B. Sarter, clk., complete sewerage system. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Wis., Milwaukee—Sewerage Comn., 508 Market St., 1,950 ft. 36 in. c.i. pipe syphon in Watertown Plank Rd, $50,000. R. Cramer, c/o owner, ch. engr.

Ia., Lake City — Sewage disposal plant, $25,000. W. E. Buell & Co., Sioux City, engrs.

Ark., Beebe—City, c/o H. Neely, atty., Searcy, sewerage system. $36,618.

Bids Asked

N. Y., Long Island City — Dec. 28, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Astoria, Polk, Birdsall and Forest Aves., Laconia, 85th, 96th and 107th Sts.

Md., Baltimore—Dec. 26, by Bd. Awards, sanitary sewers in Sewer Dists. G-12 and G-13, Sanitary Contr. 215, for Mayor and City Council. M. J. Ruark, sewerage engr.

D. C., Wash. — Dec. 27, by District Comrs., District Bldg., sewers.

O., Akron—Dec. 27, by F. E. Swineford, dir. P. Serv., 3,485 ft. 54 and 57 in. vitr. clay, segmental block trunk sewer in Little Cuyahoga River Intercepter between East North and Arlington Sts. A. B. Backherms, Municipal Bldg., engr. Noted Nov. 22.

O., Wooster—Dec. 21, by A. H. Wedge, city engr., and Director P. Serv., replacing 1,200 ft. 12 in. old with 15- to 24-in. sewer in Christmas Run Valley. Noted July 26.

Mo., California — Bids about Jan. 11, sewers in 4 additional districts. $25,000.

Ont., Hamilton—Jan. 16, by A. Kent, city clk., sewage disposal equipment, self cleaning coarse bar screens, grip collecting apparatus, sludge collectors. $190,000.

Okla., Pawhuska — Dec. 24, by C. M. Hirt, city clk., extending 14,000 ft. 18 in. vitr. clay sewer in Sanitary Sewer Dist. 11. $25,000. J. M. Buckley, Pawhuska, engr.

Ont., Toronto—See "Contracts Awarded."

Contracts Awarded

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., to J. W. Szpantowicz, 490 Boulevard, sewers in Laurel Hill Ave., $6,656; to Lione Constr. Co., LaForge St., 44th Ave. $3,381, 61st St. $2,446, 99th St. $1,521, 170th St. $7,248, 125th St. $1,375; to D. A. Gross, 8515 Fulton St., Woodhaven, 91st St. $2,489, 132nd St. $470, 205th St. $1,859; to A. W. Matarazzo, 1163 61st St., 104th Ave. $4,365, 109th Ave. $1,752, 203rd St. $1,688. Grand total $35,250. Noted Nov. 22.

O., Akron—F. E. Swineford, dir. P. Serv., trunk sewer in Little Cuyahoga Intercepter between Ravine St. and East North St., to McAlonan Bros., 506 Woodland Ave., $154,-175. Est. $212,820. Noted Dec. 6.

Mich., Detroit — Dpt. P. Wks., concrete sewers in Laterals 5118 and 5119, to Detroit Drainage Constr. Co., 14375 Coolidge Ave., $53,900; Lateral 5149, to Lincoln Constr. Co., 4101 McDougall Ave., $19,491; Lateral 5153, to J. Rossi & Sons, 5385 Pennsylvania Ave., $54,000; Lateral 5152, to Wolverine Sewer Constr. Co., Transportation Bldg., $18,650. Grand total $146,041.

Mo., St. Louis—Bd. P. Serv., City Hall, Sect. E of River Des Peres Project, to W. E. Callahan Constr. Co., Arcade Bldg., $871,272. Est. $1,035,040. Noted Dec. 13.

Ont., Pembroke — Electrical driven centrifugal pump, to Goldie & McCulloch, Ltd., Bank of Hamilton Bldg., Toronto. Est. $50,000. Noted Feb. 9.

Ont., Toronto — Vitr. tile sewers in 3 roads, Colton and Hilda Aves., to Dileo Bros., 239 Bellwoods Ave.; sewers in Yonge St., to John Maguire Contg. Co., 24 Birch Ave.; Smith St., to W. E. Taylor, 22 Falcon St.; Beulah St., to P. Mohan, 232 Withrow Ave.; Collins Ave., to P. Corradi, 19 Hocken Ave.; Millwood Rd., Castlefield and Rowlinson Aves., to Ruscica Bros., 84 Woodycrest Blvd. Est. $50,000. Noted Nov. 22.

Ont., Toronto—Vitr. tile sewers in Marmot St. and Orchard View Blvd., to J. Formica, 2147 Dufferin St., $7,050; Greer Rd., to Lupo & Mallio, 666 Dundas St. E., $1,508; Balliol St. Sect. B-D, Martin and McCord Rds., day labor, $23,847. Grand total $32,405. Est. $34,552.

Waste Disposal

Proposed Work

Ont., Kitchener — Concrete, brick, steel garbage and refuse incinerator. $35,000. S. Shupe, City Hall, engr.

Bids Asked

N. Y., New York — Dec. 28, by B. S. Coler, comr. Pub. Welfare, Municipal Bldg., incinerator, building and chimney at New York City Home, Welfare Island.

Bridges

Proposed Work

Mass., Wareham—State and Town, concrete, steel bridge over Weweantit River. $25,000 or more.

N. C., Beaufort—H. M. Hendricks, C. S. Maxwell, U. E. Swann, et al., 2 bridges connecting Harkers Island and Cape Lookout with mainland, also incl. several mi. road embankment. $100,000.

Illinois and Kentucky — Cairo & Kentucky Bridge Co., c/o H. M. Byllesby & Co., 231 South La Salle St., Chicago, Ill., soon takes bids 2,000 ft. rein.-con., steel bridge over Ohio River between Cairo, Ill., and Wickliffe, Ky., incl. 2 piers in mid-stream and 2 piers near banks. $2,000,000. Ash, Howard, Nedles & Tammen, Orear-Leslie Bldg., Kansas City, Mo., engrs. Noted Dec. 15, 1927.

Mich., Grand Rapids—New concrete viaduct, on Wealthy St. $400,000. F. H. Locke, city mgr.

Mo., St. Louis—City, c/o Bd. P. Serv., City Hall, preliminary sketches rein.-con., steel bridge 43.5 ft. wide (ultimately 100 ft. wide), as continuation of existing Grand Avenue Viaduct, parallel to Grand Blvd. between Market and Hickory Sts. $443,500. L. R. Bowen, City Hall, bridge engr.

Tex., Wichita Falls — Wichita Co., c/o Judge, Wichita Falls, 50 x 300 ft. bridge across Wichita River. $75,000. J. M. Isbell, Wichita Falls, co. judge.

Okla., Mangum—State Hy. Comn., Oklahoma City, preliminary plans 20 span 400 ft. pile trestle over North Fork of Red River, Greer Co. $40,000. C. R. Mandigo, Capitol, Oklahoma City, engr.

Ont., Toronto—Toronto & York Roads Comn., 57 Adelaide St. E., Canadian Pacific R.R., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., and Canadian Natl. R.R., New Union Sta., T. T. Irving, ch. engr., 2 concrete, steel bridges over Canadian Pacific and Canadian Natl. Rys., on Rogers Rd. $250,000. H. C. Rose, 57 Adelaide St. E., engr.

Bids Asked

N. Y., New York—Dec. 27, by A. Goldman, comr. Plant & Structures, Municipal Bldg., East 238th St. Bridge over Bronx River. Former bids rejected. Noted Nov. 1.

N. Y., Watertown—Dec. 28, at office P. Sutton, city engr., City Hall, single span, rein.-con. arch bridge across Black River, on Mill St. Concrete-Steel Eng. Corp., Park Row Bldg., New York, designing engrs.; adv. E. N.-R. Dec. 20. Noted Nov. 29.

New Jersey—Jan. 7, by State Hy. Comn., Trenton, 3 bridges, intervening and adjoining road sections on Route 6 (Revision 1927), Dover Extension Cutoff, Dover, Morris Co. A. L. Grover, ch. engr.; adv. E. N.-R. Dec. 20.

Ohio—See "Streets and Roads."

Ind., Auburn — Dec. 29, by Comrs. DeKalb Co., constructing Lige Bridge. E. Dawson, aud.

Ill., Chicago—Bd. Local Impvts., City Hall, bids about Jan. 14, double leaf trunnion bascule bridge over West Fork of South Branch of Chicago River, on South Damen Ave. (Robey St.) $2,900,000. M. Mulcahy, 139 North Clark St., Bureau of Design, engr. Noted Nov. 29.

Kan., Cimmarron — Dec. 27, by Clerk Gray Co., four 7 ft. and three 8 ft. multiple box span and three 25 ft. deck girder span bridges, also culverts, Project 45-6-K.591-B. —culverts on Sect. A same road. W. Barton, Cimmarron, co. engr.

Kan., Ellsworth — See "Streets and Roads."

Kan., Emporia—Dec. 27, by G. J. Whittaker, clk. Lyon Co., two 90 ft. steel truss or concrete arch span bridge. O. D. Henry, Court House, engr.

Okla., Boley—Dec. 24, by J. R. Day, clk. Okfuskee Co. (Okemah), 3 span 74 ft. I-beam, concrete bridge, incl. 28.2 tons I-beam steel, 11.6 tons reinforcing $25,000.

Contracts Awarded

New Jersey—State Hy. Comn., Trenton, bridges over Lehigh Valley R.R., Middlesex Co., to W. J. Wilck, Perth Amboy, $59,868; over Overpeck Creek, Bergen Co., to A. Guthrie & Co., St. Paul, Minn., $351,853. Noted Nov. 22.

Alabama—State Hy. Dpt., Montgomery, to J. Graham, 600 South Court St., Montgomery, several small concrete bridges, culverts, Pickens Co., $34,773; Cleburn and Calhoun Counties, $58,221—to J. T. McLemore, Eutaw, small concrete bridge Bibb Co., $8,837; Greene Co., $39,375; Pickens Co., $18,615—to S. C. Cox, Clanton, several small concrete culverts Bibb Co., $23,672; concrete bridge Jackson Co., $8,633—to E. Pettus, Montgomery, several small concrete bridges Coosa and Chilton Counties, $46,-545; relief opening at Flint Creek, south of Decatur, Morgan Co., $10,598—to Baston & Garrish, Gastonburg, overhead crossing near Blalock, Dallas Co., $3,911. Grand total $253,090.

Kentucky — State Hy. Dpt., Frankfort, three 140 ft. span steel superstructure over Cumberland River on Blackmont-Cardinal Rd., S. P. 205-A. B. G., Bell Co., to Vincennes Bridge Co., Vincennes, Ind., $25,792. Noted Sept. 13.

Kentucky and Indiana—See "Streets and Roads."

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, to Davidson & Doctor, Orland, bridges in Cook Co., $8,442—to Federal Bridge Co., 1001 Bankers Trust Bldg., Des Moines, Ia., La Salle Co. $7,829; Tazewell Co. $10,228; DuPage Co. $34,940—to Illinois Steel Bridge Co., Jacksonville, La Salle Co., $95,000—to D. A. Chernus Constr. Co., 524 McKnight Bldg., Minneapolis, Minn., La Salle Co., $33,686. Grand total $190,000. Noted Oct. 18.

Ill., Chicago—Dpt. P. Wks., City Hall, approaches to double leaf trunnion bascule bridge over Calumet River, at East 106th St., to Kelly-Atkinson Constr. Co., 189 West Madison St., $119,128. Est. $170,000.

Iowa—State Hy. Comn., Ames, bridges in Butler and Cass Counties, to C. J. Kramme, Ft. Dodge, $18,000 and $9,987 respectively—Crawford Co., to S. Christensen, Tyler, Minn., $37,400—Poweshiek Co., to Iowa Bridge Co., 19th St. and Eastern Blvd., Des Moines, $11,400—Shelby Co., to Jensen Constr. Co., Kimballton, $14,225—Winneshiek Co., to A. Olson Constr. Co., Waterloo, $14,365—culverts in O'Brien Co., to Forgie & Groth, Sioux Center, $2,499—Jackson Co., also clearing 1.7 acres and building 170 lin.ft. wing dams in Henry Co., to C. R. Yeggs, Boone, $4,987 and $961 respectively. Grand total $113,824. Noted Dec. 6.

Kan., Fort Scott — Bourbon Co., W. I. West, clk., 120 ft. marsh arch span bridge, 20 ft. on Rd. K-39, Project 39-10-K712, Sect. B, to Maxwell Constr. Co., Columbus $24,440. Noted Oct. 25.

Kan., Topeka — City, Atchison & Santa Fe Ry. Co., H. W. Wagner, ch. engr., and Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., St. Louis, Mo., 1,475 ft. rein.-con., steel viaduct over tracks at 6th St., 40 ft., to Kansas City Bridge Co., 510 Oreao-Leslie Bldg., Kansas City, Mo. Noted June 21.

Railways

Proposed Work

West Virginia—See "Contracts Awarded."

North Dakota—Great Northern Ry. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., additional main line and spur tracks, 2 additional tracks across Bway. and 1 across 3rd and 4th Sts. in Fargo. $50,000.

Texas—St. Louis, Brownsville & Mexico Ry. Co., C. S. Kirkpatrick, ch. engr., Houston, preliminary plans extending line 10 mi. from Edcouch to connect with Mission Branch at Weslaco. $100,000.

Texas and New Mexico — Atchison Topeka & Santa Fe Ry. Co., M. C. Blanchard, ch. engr., Amarillo, Tex., preliminary surveys 45 mi. branch line through Gaines Co. between Seagraves, Tex. and Hobbs, N. M. $200,000.

Colorado—Atchison, Topeka & Santa Fe Ry. Co., M. C. Blanchard, Amarillo, Tex., ch. engr., rebuilding 8 mi. road between Pueblo and Baxter, incl 2 hy. underpasses, rails, ties, grading, etc. during 1929; new storage and switching yards, sidings to industrial sites, roundhouses, in East Pueblo, $1,000,000-$2,000,000.

Colorado—Colorado & Southern Ry. Co., R. C. Gowdy, Denver, ch. engr., extending 7 mi. East Pueblo spur into main line at Bragdon, incl. rails, and 350 ft. bridge over Fountain River.

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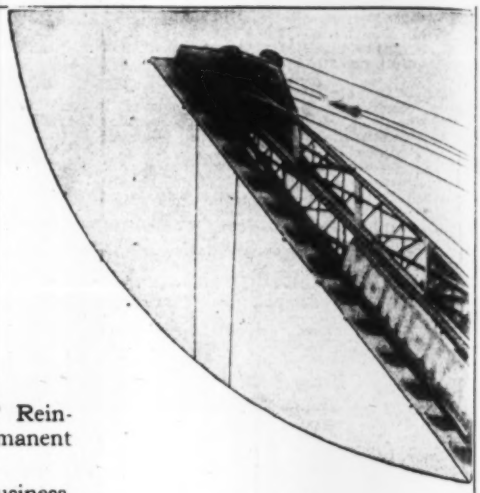
Saves Money

in Building Permanent Storm or Sanitary Sewers!



WHEN the engineer specifies INDEPENDENT Reinforced Concrete Pipe, the city is assured a permanent and efficient sewer, *built by the most economical method.*

The city saves money on material and helps local business. "INDEPENDENT" establishes a special pipe plant near the sewer site and uses local labor and materials, wherever possible. Inspection is facilitated, and delays in delivery are avoided.

Time and labor are saved in laying the sewer. The exclusive "Recessed" joint makes it easier to lay the pipe and seal the joints, even under difficult trench conditions. The entire joint is visible for inspection. When finished, the city has a sewer that will serve for generations, with little or no maintenance.

Every year more American cities are solving their sewer problems, permanently and at low cost, by laying INDEPENDENT Concrete Pipe Sewers. Let us send you estimates and data on *your* 1929 sewer projects.

INDEPENDENT CONCRETE PIPE CO.
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Illinois Concrete Sales Co.
139 N. Clark St., Room 703
FRANK NOVOTNY, Mgr.

CLEVELAND, OHIO
H. S. WAMSER
Electric Building
Cleveland, Ohio

COLUMBUS, OHIO
Ohio Sales Agency
297 S. High St., Room 203
E. W. HAWKE, Mgr.

OKLAHOMA CITY
Concrete Pipe Co. of Okla.
203 Grain Exchange Bldg.
E. A. BARNES, Mgr.

MICHIGAN REP.
M. R. DICKIE
717 Arbor Street
Ann Arbor, Mich.

INDEPENDENT
Reinforced
CONCRETE
PIPE

Laying an INDEPENDENT Concrete Pipe Sewer at Dalton, Illinois

Railways (Continued)

Contracts Awarded

West Virginia — Chesapeake & Ohio Ry. Co., Richmond, Va., C. W. Jones, ch. engr., and New York Central R.R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., 29 mi. railroad from Swiss to Nallen known as Nicholas, Fayette & Greenbrier R.R., incl. grading, bridging, 1,500,000 cu.yd. excav. New York Central R.R. Co. will do the work. Owners soon take bids on material for same. Noted June 7.

North Carolina—American Enka Corp., A. J. L. Moritz, vice pres., Asheville, general contract 4 mi. railway sidings, industrial tracks into its plant near Asheville, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O.

Airports

Contracts Awarded

HANGAR—**Akron, O.**—Goodyear Zeppelin Corp., 325 x 1,200 ft., brick, steel hangar, 200 ft. high, 2 story office, 2 story workshop, to Clemmer & Noah, Akron. Est. $2,000,000. Noted Nov. 22.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., Brownwood—Brown Co. Water Control & Impvt. Dist. 1, c/o J. R. Looney, chn., reservoir dam on Pecan Bayou. $2,500,000. D. W. Ross, Houston Bldg., San Antonio, consult. engr. Noted Nov. 1.

Tex., Sweetwater—See "Unclassified."

Calif., Dos Palos—Dos Palos Drainage Dist. soon takes bids drainage works. $97,500 bonds voted for same. Noted Dec. 13.

Calif., Oroville — W. J. Munro, secy. Oroville-Wyandotte Irrigation Dist., Butte Co., rejected bids Oct. 15, 8,650 cu.yd. excav., 4,570 ft. 16- to 18-in. welded iron, 5,132 ft. 14- to 22-in. red wood continuous stave pipe. Noted Oct. 4.

Calif., San Francisco—Yuba River Power Co., 225 Bush St., granted permit 15,000 acre ft. of water from North Yuba River for irrigation and domestic purposes. $400,000.

Bids Asked

N. Y., New York—Dec. 27, by M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., North River, dredging at various locations along East and Harlem Rivers, Contr. 1939.

Va., Norfolk—Jan. 17, by Norfolk Co. Bd. Drainage Commissioners, 622-30 Law Bldg., drainage improvements in Butts Rd. D. D. 3. J. G. Wallace, chn.; adv. E. N.-R. Dec. 20.

Ia., Denison—Dec. 28, by W. Gilbert, aud. Sac Co., extending main ditch, deepening, cleaning main ditch, laterals, incl. 229,389 cu.yd. excav. I. W. Hoffman, Carroll, engr.

Ia., Logan—Dec. 31, by W. R. Adams, aud. Harrison Co., 6 mi. drainage work, incl. 95,400 cu.yd. excav. Mayne Eng. Co., 130 Pearl St., Council Bluffs, engr.

Ill., East St. Louis—Dec. 28, by Bd. Park Comrs. East St. Louis Park, sand shore revetment work and building beaches supplement to improvement of Lake Park. E. P. Griffin, 929 Missouri Ave., supt. and engr.; adv. E. N.-R. Dec. 20.

Calif., Terra Bella — Jan. 3, by E. H. Robinson, secy. Terra Bella Irrigation Dist., 2,650 ft. 12 in. 14 gauge and 8,650 2,700 ft. 10- to 14-in. 12 gauge soil-proof wrapped rivetted steel pipe line.

Calif., Westley—See "Contracts Awarded."

Contracts Awarded

Tex., Mission — J. S. Shary, irrigation system on 600-acre tract, incl. concrete pipe, near here, to Campbell & Congden, Mission, $30,000.

Calif., Merced — H. P. Sargent, secy. Merced Irrigation Dist., shaping and constructing 4 mi. existing canals, installing side gates, to Carlson Bros., Turlock, $20,400; furnishing 10 motor drainage pumps, to Pomona Pump Co., Pomona, 1,000 g.p.m. $613, 1,200 g.p.m. $822, 1,400 g.p.m. $841, 1,600 g.p.m. $893; drilling 10 drainage wells, to R. Bancroft & Sons, Merced, drilling 16-in. $1.50 per lin.ft., casing 16 in. wells $3.40, 16 in. shoes $18, drilling 18 in. wells $1.50, casing 18 in. $3.41, 18 in. shoes $34. Noted Nov. 15.

Calif., Turlock—A. Sorensen, secy. Turlock Irrigation Dist., improving Dist. 5, incl. 2 in. concrete lining, 63,250 sq.ft. canal, 15 concrete structures, 2 timber bridges, to Carlson Bros., Turlock. Noted Oct. 4.

Calif., Westley—E. Smith, secy., West Stanislaus Irrigation Dist., Stanislaus Co. 7 x 15—240 ft., and 7 x 15—80 ft., concrete canal syphons under railroad tracks, to O'Brien & Gilleran, Hearst Bldg., San Francisco, $7,709; main hy., miscellaneous tunnels, excavation, etc., by district forces. Noted Oct. 18.

Streets and Roads

Proposed Work

Massachusetts — Dpt. P. Wks., Boston, constructing Chester and Griggs Sts., Hutlcroft Ave., Avalon Rd., as highways in Dorchester and Brighton. To exceed $25,000. J. H. Sullivan, comr.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., paving Flushing Ave. from boro line to Metropolitan Ave. $245,000.

N. J., East New Brunswick (mail New Brunswick)—Bd. Freeholders Middlesex Co., Court House, New Brunswick, preliminary plans penetration macadam paving road from Herberts to Dunhams Corners. $25,000. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.

N. J., Elizabeth—Bd. Pub. Wks., City Hall, preliminary plans curbing, asphalt on concrete paving Virginia St. from Newark to Cross Aves. $25,000. T. Collins, city engr.

N. J., Hanover—Bd. Freeholders Morris Co., Morristown, preliminary plans penetration macadam paving Ridgedale Avenue Rd. $25,000. W. Hopkins, Court House, Morristown, co. engr.

N. J., Millburn—Bd. Educ., Town Hall, grading Short Hills and Wyoming school grounds, and retaining wall at Wyoming School. $33,000. E. R. Halsey, 79 Academy St., Newark, town engr.

N. J., Moonachie (mail Carlstadt)—Bd. Boro Council, School 3, bituminous macadam or sheet asphalt on concrete paving Railroad Ave., Oak, Union, Concord, Willow, Grand, Fredrick, Bruno, and Broad Sts. $58,000. D. C. Boswell, 6 Mt. Vernon St., Ridgefield Park, boro engr.

N. J., Plainfield—Common Council, City Hall, preliminary plans grading, curbing, sewers, sidewalks, paving Gavett Pl. from Park to Watchung Aves. $125,000. A. Vars, city engr.

N. J., Plainfield—Mayor and City Council paving Gavatt Pl. from East 2nd St. to North Ave. $125,000. A. Vars, city engr.

N. J., Somerville — Boro Council, City Hall, preliminary plans grading, sheet asphalt on concrete paving Main St. from Somerset to Grove Sts. $144,000. W. Berryman, boro engr.

N. J., Woodbridge—Bd. Freeholders Middlesex Co., Court House, New Brunswick, preliminary plans sheet asphalt on 6 in. concrete or rein.-con. paving Freeman St. from Rahway to Georgia Aves. $25,000. F. Buchanan, 175 Smith St., Perth Amboy, co. engr.

Mich., Grand Rapids—Paving, widening Division St. $969,860—grading, curbing, paving 1.3 mi. Eastern Ave., asphalt $112,570, concrete $105,250—0.4 mi. north end Eastern Ave., asphalt $46,720, concrete $44,910. C. W. Darling, City Hall, engr.

Mich., Mt. Clemons — Macomb Co. concrete paving 250,000 sq.yd. Mack Ave., Harrison Twp. $2,500,000. W. Lehner, Mt. Clemens, co. road engr.

Ill., Teasville—Concrete paving 42,000 sq.yd. Cicero Ave. $224,000. Barker, Flavin, Sheets & Wallace, 35 East Wacker Dr., Chicago, engrs.

Kan., Meade—Meade Co. soon takes bids grading 6.305 mi. Rd. K 12, 30 ft. H. L. Gilman, Court House, engr. Noted Dec. 6.

Kan., Oberlin—Decatur Co. soon takes bids grading 6.097 mi. Kansas Project 707, Sect. B, 30 ft. T. H. Shannon, Court House, engr.

Mo., St. Louis—Bd. P. Serv., City Hall, soon takes bids concrete paving 5,015 sq.yd. alleys in 5 city blocks. $13,800—rein.-con. paving 1,225 sq.yd. Balson Ave. $7,300—2,695 sq.yd. Regal Pl. $16,100—amiesite paving 3,660 sq.yd. Fyler Ave. $28,790—3,710 sq.yd. Murdock St. $31,376—asphalt paving 2,740 sq.yd. Sublette Ave. $26,600—asphaltic concrete paving 1,350 sq.yd. Esther Ave. $8,600—5,800 sq.yd. Odell St.—1,670 sq.yd. Quincy St. $12,084. W. W. Horner, City Hall, engr.

Mo., St. Louis — Opening and widening Forest Park Ave. between Grand Blvd. and Clark Ave. at Market St. 80 and 100 ft., incl. rein.-con. subway under Grand Blvd. with 16 ft. clearance and viaduct over Market St.

Ark., Benton—Soon takes bids concrete paving Street Impvt. Dists. 1 and 2. $52,407. Lund Eng. Co., Home Insurance Bldg., Little Rock, engrs.

Oklahoma—State Hy. Dept., Oklahoma City, concrete slab paving 78,000 sq.yd. U. S. Road 64, Garfield Co. $200,000. C. R. Mandigo, hy. engr.

Oklahoma — State Hy. Comn., Oklahoma City, grading, drainage structures on 8 mi. Hy. 41, Beckham Co.—5.5 mi. Hy. 9, Haskell Co.—6 mi. Hy. 7, Comanche Co.— 5.5 mi. Hy. 10, Pushwatka Co.—8 mi. Hy. 3, Pittsburgh Co.—5 mi. Hy. 18, Pottawatomie Co.—5 mi. Hy. 36, Tillman Co., each 30 ft. To exceed $175,000. G. R. Mandigo, hy. engr.

Okla., Oklahoma City—Surveys sheet asphalt paving 8,000 sq.yd. Hill, 32nd, 33rd, 34th and 35th Sts. $41,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City—Preliminary plans grading, concrete paving 15,500 sq.yd. Shields Blvd. To exceed $25,000. W. W. Small, city engr.

Colo., Colorado Springs—Paving, sewers Weber and Fontarero Sts., Colorado and Platte Aves. during 1929. $65,000. F. O. Ray, city engr.

California—State Hy. Comn., Sacramento, rejected bids Nov. 21, grading 1.6 mi. road at Hilton Creek, Mono Co. Noted Nov. 8.

Calif., Los Angeles — Los Angeles Co., curbing, walks, guttering, 9-7-7-9 in. vibrolithic concrete paving 893,882 sq.ft., and 8 in. vibrolithic concrete paving 91,295 sq.ft. Atlantic Ave. To exceed $300,000. G. W. Jones, Hall of Records, engr.

Calif., San Diego—Common Council, grading, walks, concrete curbing, 6 in. concrete paving 76,434 sq.ft. Ingram St. et al. H. W. Jorgensen, city engr.

Calif., San Francisco—Grading, curbing, walks, paving 20th St. between Noe and Sanchez Sts. $37,000. M. M. O'Shaughnessy, city engr.

Bids Asked

Massachusetts—Jan. 2, by Dpt. P. Wks., Boston, widening, bituminous macadam, bituminous, rein.-con. surfacing 26,920 ft. hy. Lynnfield, Peabody and Danvers. W. F. Williams, comr.

N. Y., New York—Dec. 28, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, granite block on concrete repaving Kenmare St.

N. Y., Niagara Falls—Dec. 29, by Commissioner State Reservation at Niagara, rein.-con. paving Niagara Rapids Blvd.

N. Y., St. George — Dec. 24, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam, granite block repaving and repairing new brick paving areas within franchise area Staten Island Midland Ry. on Richmond Rd. from Douglas to Amboy Rds.

N. Y., St. George — Dec. 26, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam, bituminous concrete on binder paving, repairing new brick and repaving old granite block on certain areas within franchise area of Staten Island Midland Ry., on Victory Blvd., Clove Rd. and Price St.

New Jersey—Jan. 7, by State Hy. Comn., Trenton, 8 in. rein.-con. paving 51,618 sq.yd. Route 37, Sect. 3, Lakehurst-Toms River Rd. (Sta. 128 to 360), Ocean Co.; grading, granite curbing, sewers, bituminous on concrete paving 31,000 sq.yd. Route 1 extension, Sects. 17, 18 and 19, Contr. 20, Elizabeth, Union Co. A. L. Grover, ch. clk.; adv. E. N.-R. Dec. 20.

N. J., Indian Mills (mail Atsion)—Dec. 24, by Shamong Twp., graveling 25,500 sq.yd. Jackson Rd. A. D. Bullock, 234 Cuyler Ave., Trenton, engr.

Delaware—Jan. 8, by State Hy., Dpt., Dover, grading, sidewalks, concrete paving 7.66 mi. St. Georges-State Rd., Contr. 114; superstructure for Newport Bridge, Contr. 103-A—substructure for Milford Bridge, Contr. 104-A; adv. E. N.-R. Dec. 20.

Md., Baltimore—Dec. 26, by Bd. Awards, sheet asphalt paving 8,100 sq.yd., granite block repaving 3,650 sq.yd. Contr. 496; concrete paving 8,000 sq.yd. Contr. 4. N. L. Smith, hys. engr.

Miss., Booneville—Dec. 31, by City, J. E. Cunningham, mayor, grading, curbing, sewers, alternate types paving 16,100 sq.yd. Impvt. Ordinance 1. Robert L. Totten, Inc., B. M. Bldg., Birmingham, Ala., consult. engrs.

Louisiana — State Hy. Comn., Baton Rouge, bids about Jan. 18, grading, hard paving 17 mi. Dixie-Overland Hy., Bossier Parish. J. M. Fourmy, Reymond Bldg., Baton Rouge, state engr. Noted Nov. 1.

Ohio—Dec. 28, by H. J. Kirk, dir. Hys., Columbus, concrete paving 1.7 mi. Sect. 1-1.

(Constr. News, page 327)

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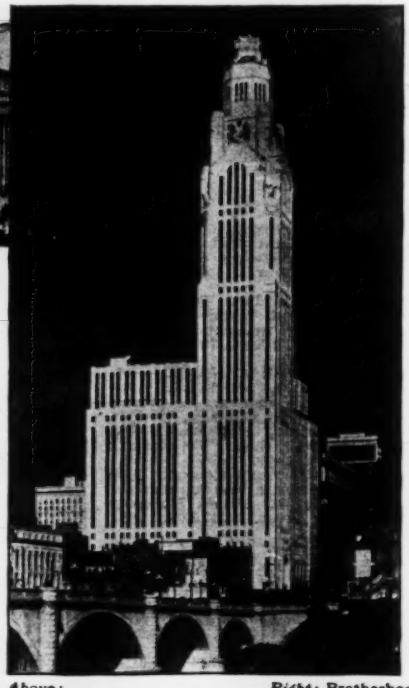
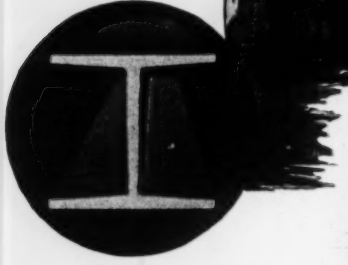


Above: **American Insurance Union Building** ***Columbus***

Right: **Brotherhood of Locomotive Engineers Bank Building** ***Cleveland***

Above: **Union Trust Building** ***Detroit***

Right: **The Merchandise Mart, under construction at Chicago —*"The largest building in the world"***



BETHLEHEM

Wide-Flange STRUCTURAL SHAPES

Streets and Roads (Continued)

Bonoport Clinton Rd., 18 ft., Ottawa Co. $56,441; 60 ft. span concrete girder bridge, Sect. 6, Larue-Marsailles Rd., Marion Co., $10,405.

Wisconsin—Dec. 27, by State and Outagamie Co. Hy. Comns., Office 3, Nicolet Bldg., Green Bay, crushed stone or gravel-ing 11,200 cu.yd. Black Creek-New London Rd. D .F. Culbertson, div. engr.

Ia., Rock Rapids—Dec. 27, at office Auditor Lyon Co., grading 14 mi. roads.

Kan., Ellsworth—Dec. 24, by Clerk Ellsworth Co., grading 0.641 mi. Project 40-S, 15-A, K-734—4.097 mi. Project 40-S, 15-B-K-735, incl. three 75 deck girder spans, three 7, three 8 and three 10 ft. multiple box span bridges.

Kan., Greensburg — Dec. 27, by Clerk Kiowa Co., sand graveling 2.14 mi. Project 54-14-K. 145-D—1.99 mi. Project 54-14-K. 562-C—2.14 mi. Project 54-14-K. 563-B. A. E. Askins, co. engr.

Nebraska — Dec. 28, by State Dpt. P. Wks., State House, Lincoln, **(F.A.P. means Federal Aid Project)**, grading, bridging 9.486 mi. F.A.P. 413-A, Holt Co.—3.001 mi. F.A.P. 205-E, Webster Co.—1.193 mi. F.A.P. 128-A and B, Seward Co.—8.9 mi. F.A.P. 258-B, Washington Co.—144 ft. current retards F.A.P. 210, Nuckolls Co. R. L. Cochran, hy. engr.

Nebraska—Dec. 31, by A. Fouts, clk. Merrick Co., Central City, improving Osceola-Clarks Project 315-A, Federal Aid Road, Merrick and Polk Counties, 44,850 cu.yd. excav., 15,000 cu.yd. overhaul, 25,850 cu.yd. sand fill, 6,350 cu.yd. top soil or sand clay surfacing, also Bridges 1, 2, 3 and 4. R. L. Cochran, Lincoln, state hy. engr.

Okla., Oklahoma City—Dec. 26, by M. Peshek, city clk., grading, concrete paving 6,000 sq.yd. North Drexel Ave. $25,000. W. W. Small, City Hall, engr.

Wash., Seattle—Dec. 31, by Comrs. King Co., clearing, grading 148,000 cu.yd. graveling 5,255 cu.yd. Lake Sammamish Shoreline Extension 6. $83,000. D. Evans, County-City Bldg., engr.

California — Dec. 26, by C. H. Purcell, state hy. engr., Sacramento, grading, paving 0.3 mi. road between Ortega Hill and Montecito, Santa Barbara Co.—5.5 mi. road between Glendora and Claremont, Los Angeles Co.—10.4 mi. road between Claremont and Cherry Ave., Los Angeles and San Bernardino Counties—2.5 mi. road between Pomona and Ontario, San Bernardino Co.—grading, oil treated crushed gravel or stone surfacing 1.5 mi. road between Bakersfield and Cottonwood Creek, Kern Co.—grading, oil treated crusher run base paving 1 mi. road between San Luis Obispo and City Reservoir, San Luis Obispo Co.

California—Jan. 2, by State Hy. Comn., Sacramento, asphaltic concrete paving 3.6 mi. road between Alto and Sausalito, Marin Co.; widening, concrete paving 2.1 mi. road between Plaza Garage and Oak Grove School, Tulare Co. C. H. Purcell, P. Wks. Bldg., Sacramento, state engr.

California—Jan. 2, by State Hy. Comn., Sacramento, bituminous macadam paving 6.1 mi. road between points ½ mi. north Kelly's and Sandberg, Los Angeles Co. C. H. Purcell, P. Wks. Dpt., Sacramento, engr.

Calif., Los Angeles—Apr. 1, by Supervs. Los Angeles Co., grading, 9-7-9 in. concrete paving 633,385 sq.ft., and 8 in. concrete paving 17,110 sq.ft. Rosecrans Ave. To exceed $225,000. Noted Nov. 15.

Calif., San Diego—Dec. 31, by Common Council, grading, concrete curbing, sidewalks, 6 in. asphaltic concrete paving 389,-675 sq.ft. Meade Ave. H. W. Jorgensen, city engr. Noted Nov. 15.

Calif., San Diego—Dec. 31, by Common Council, curbing, sidewalks, grading, 2 in. asphaltic concrete on 6 in. concrete paving 115,244 sq.ft. Taylor St. and San Diego Ave.; grading, 6 in. concrete paving 121,-676 sq.ft. 65th St. Noted Nov. 15.

Contracts Awarded

New Hampshire—State Hy. Dpt., Concord, graveling 2.3 mi. hy. in Grafton, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $33,116. Noted Dec. 6.

New York—A. W. Brandt, comr. Hys., Albany, **(e. e. means engineers estimate)**, concrete repaving 1.22 mi. road in Orange Co., to M. K. Eng. Co., Inc., Albany, $81,-763 e. e. $106,816—3.71 mi. Ontario Co., to Rochester Concrete Constr. Co., Inc., Rochester, $235,291 e. e. $352,908—5.88 mi. Clinton Co., to George Edgecomb Co., Inc., Walton, $228,933 e. e. $317,969—2.8 mi. Westchester Co., to J. J. Bollette & Son Constr. Co., Troy, $224,731 e. e. $306,662—8.28 mi. Allegany and Steuben Counties, to H. E. Bunce, Hornell, $435,176 e. e. $626,-241—4.31 mi. Orange Co., to Lane Constr. Co., 37 Colony St., Meriden, Conn., $212,025 e. e. $317,017—grading, structures on 2.49 mi. Westchester Co., to Miller Bros. Constr. Co., Inc., 151 Earle St., Hartford, Conn., $152,243 e. e. $304,584. Grand total $1,570,-162. Noted Nov. 15.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading Stanley Ave. and 67th St., to Grimm Contg. Co., 170 McKinley St., $2,081 and $1,159 respectively—granite block paving Woodhull St., to J. D. Norton, 20 Sterling Pl., $6,110—asphalt on concrete paving Martense and 48th Sts., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $29,441 and $9,835 respectively—Troutman St., to D. J. McCoy Asphalt Co., Avenue U and East 57th St., $7,457—Washington Ave., to Carbloc Paving Corp., Varick and Stagg Sts., $29,-799—64th St., to B. Turecamo Contg. Co., New Cropsey Lane, $3,413—Coney Island Ave., to M. J. O'Hare, Neptune Ave. and East 19th St., $63,583. Grand total $152,-878. Noted Nov. 15.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to J. V. Turecamo, foot Bay 32nd St., grading East 40th St. $6,363; West 1st St., $4,657—to Grimm Contg. Co., $85-38 107th St., Richmond Hill, East 49th St. $1,261—to M. J. Grant, 215 Montague St., granite block paving West St., $14,932; 2nd Ave., $89,205—to B. Turecamo, New Cropsey Lane, sheet asphalt on concrete paving East 46th St. $6,147; East 96th St. $9,360; Rutland Rd. $9,435; West 1st St. $6,539; 19th Ave. $3,677. Grand total $151,576. Noted Dec. 6.

N. Y., New York — B. S. Coler, comr. Dpt. Pub. Welfare, Municipal Bldg., sidewalks, curbing, roadways, and lawns at Bronx General Hospital, to Asphalt Constr. Co., 2197 Madison Ave., $28,679. Noted Dec. 6.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Willowbrook and Blackford Aves., to J. E. Donovan, 2207 Richmond Terrace, Port Richmond, $12,190 and $9,050 respectively—Amboy Rd., to Vanbro Constr. Co., 24 Elizabeth St., Port Richmond, $18,348—grading, paving Highview Ave., to J. Johnson Sons, 455 Bway., West New Brighton, $7,050—sewer in Crescent Ave., to J. J. O'Rourke, 238 Gordon St., $2,651. Grand total $49,999. Noted Nov. 22.

Pennsylvania—State Hy. Comn., Harrisburg, rein.-con. paving 7,668 sq.yd. Lehigh Co., to Kulpmont Constr. Co., Kulpmont $34,678 — concrete paving 45,300 sq.yd. Schuylkill Co., to J. Miller Eshleman, Landisville $254,761—35,200 sq.yd. Venango Co., to Hagedorn Constr. Co., of West Virginia, Oil City $139,723—10,016 sq.yd. Lehigh Co., to Mignatti & Whelan, Bankers Trust Bldg., Phila. $80,907—15,700 sq.yd. Berks Co. and 146,227 sq.yd. Warren Co., to York Eng. & Constr. Co., 21 West St., York, $59,924 and $425,777 respectively. Grand total $995,-770. Noted Dec. 6.

Miss., Hattiesburg—See "Buildings—Industrial."

Miss., Indianola—City and Sunflower Co., bitulithic surfacing 16,700 sq.yd., to Dunn Constr. Co., Merchants Bank Bldg., Jackson. Noted Sept. 20.

Miss., Macon—Grading, curbing, concrete paving, to Merrill Eng. Co., Lamar Life Bldg., Jackson $32,000.

Miss., McComb—Bd. Selectmen, grading, brick, concrete, asphalt or warrenite paving 25,000 sq.yd. Virginia, Argyle, Edgar, 5th, Louisiana and Maryland Sts., to Merrill Engr. Co., Lamar Life Bldg., Jackson. Noted Nov. 1.

Kentucky and Indiana — Louisville Bridge Comn., Todd Bldg., Louisville, 20,-000 ft. concrete foundation piles, 1,400 cu. yd. concrete in footings, 1,200 cu.yd. rein.-con. work, 8,000 sq.yd. concrete roadway on grading and 7,300 sq.yd. rein.-con. roadway on structural steel, to Henry Bickel Co., 435 Garden St., Lousiville, Ky., $543,515. Noted Nov. 8.

Michigan—R. W. Roberts, resident engr., Saginaw, grading 1.799 mi. MO18-5, C-1, Clare Co., to T. McNally, Saginaw, for State Hy. Dpt., Lansing, $58,292. Noted Nov. 1.

Mich., Detroit—Grading, one course 7 in. concrete paving 9,000 sq.yd. alleys, to Otis Cement Constr. Co., Penobscot Bldg., $19,-874—3,730 sq.yd. alleys, to Lennane & Mc-Ilvenna, 7777 West Chicago Ave., $8,218—2,310 sq.yd. alleys, to Bishop & Weir, 6451 East Six Mile Rd., $5,083—550 sq.yd. alleys, to Bliss & Smith, 1220 Penobscot Bldg., $1,204. Grand total $34,379.

Illinois—State Dpt. P. Wks. & Buildings, Div. Hys., Springfield, grading roads in Du Page Co., to Trompeter & Sons, Peru, $20,-331—paving roads in Hancock Co., to J. L. Wells Co., Rock Island, $6,638—Cook Co., to Suburban Paving & Impvt. Co., Chicago, $6,479—Ogle Co., to Northern States Constr. Co., Rockford, $17,890. Grand total $51,338. Noted Oct. 18.

Kan., Marysville — Marshall Co. grading County Project U. O. 240, to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, Neb. $14,322, graveling 8.974 mi. road 29 ft., to Koehler Constr. Co., Sterling, Neb., $21,986.

Kan., Mound City—O. M. Gray, clk. Linn Co., chats surfacing 9 mi. Kansas Project 556, Rd. K-7, to A. L. Cook, Ottawa $11,-790; 7.28 mi. Kansas Project 713, Rd. K-35, to W. F. O'Brien, St. Paul $9,610, both 28 ft.

Mo., Kansas City—Jackson Co., concrete paving 43/8 mi. County Project from Oak Grove north, to Frank Flinn Constr. Co., 99th St. and Wornall Rd. $94,261.

Okla., Tulsa — Sheet asphalt paving 9,600 sq.yd. Rockford, Trenton and Kenosha Sts., to H. L. Cannady & Co., 1122 South Lewis St., $45,266. Est. $50,000.

British Columbia—Dpt. P. Wks., Victoria, protecting Nicomen Island Hy. from Fraser Rivér floods, to Fraser Constr. Co. Ltd., New Westminister, $23,583, and General Constr. Co. Ltd., 736 Granville, Vancouver, $26,797.

B. C., Point Grey — Warrenite bitulithic on rock paving, to General Constr. Co. Ltd., 736 Granville St., $10,335; 6 in. concrete paving, to Armstrong, Morrison Paving Co., 553 Granville St. $3,723—to Hodgson, King & Marble Co., 626 Pender West, $16,770, warrenite bitulithic on rock paving and 6 in. concrete paving to Ellis Cotton, Ltd., False Creek Yards, $51,552 and $13,317 respectively, all in Vancouver. Grand total $95,697.

Public Bond Elections

Coming Bond Elections

Waterworks—Hickory, N. C., $40,000.
Waterworks — Lander, Wyo., Dec. 31, $92,000.
Excavation—Tracy, Calif., Dec. 27, $50,000.
Dredging—San Benito, Tex., San Benito Navigation Dist., Dec. 29, $500,000.
Roads—Graham, Tex., Dec. 23, $150,000.
Roads—Lubbock, Tex., Lubbock Co., Jan. 12, $1,000,000.
Roads—La Grange, Tex., Jan. 8, $60,000.
Roads—Hickory, N. C., $300,000.
School—Olathe, Kan., April, $150,000.
High School—Willits, Calif., $150,000.

Bonds Voted

Waterworks—Ottawa, Ont., $1,315,000.
Waterworks—Pleasanton, Tex., $48,000.
Excavation—Brownwood, Tex., $2,500,000.
Airport—Olympia, Wash., $35,000.
Road—Lindsay, Okla., $59,100.
Schools—McCamey, Tex., $150,000.
School—Clayton, Tex., $545,000.

Bonds Defeated

Waterworks—Hydro, Okla., $25,000.
Sewers—Hydro, Okla., $26,000.

Buildings—Industrial

Proposed Work

Me., Cape Elizabeth (mail Portland)—SERVICE and REPAIR GARAGE—Owner, c/o O. I. Emerson, archt., 10 Cottage St., Portland, sketches 1 story, 50 x 160 ft., brick. $50,000 or more.

Mass., Bridgewater—POWER PLANT—Commonwealth of Massachusetts Dpt. Educ., bids after Jan. 1, 1 story, brick, plain found., at State Normal School. $80,-000. Henry & Richmond, 12 West St., Boston, archts. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Noted Sept. 27.

Mass., Lynn—SALES, SERVICE and REPAIR GARAGE—R. T. Pender, Inc., 41 Sutton St., 1 story, basement, 100 x 100 ft., brick, steel, plain found., Liberty and Sutton Sts. $50,000. Private plans.

Mass., New Bedford — SERVICE GARAGE and REPAIR SHOP — National Biscuit Co., 92 Water St., soon takes bids 1 story, 75 x 10 ft., brick, plain found., Merrimac St. $40,000. Private plans. Noted Sept. 27.

Mass., Springfield—HEAT TREATING PLANT—Duckworth Chain & Mfg. Co., 41 Milk St., plans by McClintock & Craig, 458 Bridge St., superstructure 2 story, 60 x 150 ft., brick, steel, concrete, Plainfield St. $75,-000. Foundations for above awarded to Adams & Ruxton Co., 1387 Main St.

Conn., Bristol—PLANT—Wallace Barnes Co., 30 Main St., brick addition to main plant units, South Elm Springs and Wallace Sts. To exceed $150,000. Private plans.

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Buildings—Industrial (Continued)

Conn., Forestville — MILL — Wallace Barnes Co., 30 Main St., Bristol, brick addition, 15,000 sq.ft. floor space. $50,000. Private plans.

N. Y., Brooklyn—FREIGHT and FERRY TERMINAL—City of New York, Dpt. Plants & Structures, Municipal Bldg., New York, freight and ferry terminal, Atlantic Ave. Municipal Ferry Terminal. $500,000.

N. Y., Jackson Heights (sta. Flushing)—SERVICE GARAGE and STORE—Myward Constr. Co., 6730 Hermon St., plans by M. Peristein, c/o owner, service garage and stores, 70th St. and Hays Ave. $40,000.

N. Y., Long Island City—ICE CREAM PLANT—Anheuser-Busch, 979 Brook Ave., New York, plans by J. E. Ross, 25 West 43rd St., New York, 2 story, brick, 104th St. from 94th to Atlantic Aves. $130,000.

N. Y., Long Island City — FACTORY — T. J. Meeker, c/o W. J. Cherry, 441 Lexington Ave., plans 3 story, 100 x 200 ft., brick, Nelson Ave. and Buckley St. $220,000. Private plans.

N. Y., Long Island City—GARAGE and SERVICE STATION—E. J. Foy, Skillman Ave., 2 story, 98 x 100 ft., Skillway Ave. and East Lowery St. $40,000.

N. Y., New York — SERVICE and GARAGE—A. LePinto, 2005 Stillwell Ave., soon takes bids on general and separate contracts 2 story, 91 x 115 ft., brick, concrete, Hubbard St. and Neptune Ave. $100,000. R. Lutwig, 316 West 56th St., New York, archt. Noted Dec. 6.

N. Y., New York—SERVICE GARAGE—Jonell Realty Co., Inc., J. J. Gilhuly, in charge, c/o J. P. Boyland, archt., 305 Kingsbridge Rd., bids in March, service garage, 204th St. near Webster Ave. $40,000. Noted Nov. 29.

N. J., Kearny (mail Arlington)—PLANT—Kentucky Color & Chemical Co., 34th St., Louisville, Ky., plant, on 10 acre site, Belleville Turnpike to main line Pennsylvania R.R. To exceed $40,000.

N. J., Maplewood—(br. South Orange)—GOLF CLUB FACTORY—Kroydon Co., Burnett Ave., plans by D. A. Hopper, 22 Ridgewood Ave., Irvington, 1 story, basement, 30 x 150 ft., brick, steel addition, plain found., Burnett Ave. $40,000.

N. J., Newark—BAKERY DISTRIBUTING PLANT — Dugan Bros. Inc., 161 Arlington Ave., sketches 2 story, 125 x 153 ft., brick, steel, plain found., 6th St. between Murray and Kamena Sts. $100,000. Private plans.

N. J., Newark — BAKERY — Purity Bakeries Corp., M. Carpenter, in charge, 711 South 10th St., plans by R. H. Brown, engr. and archt., 844 Rush St., Chicago, Ill., 3 story, basement, brick, steel, plain found., 711 South 10th St. $40,000.

N. J., South Amboy—SHIRT FACTORY—M. Cohen, 194 Hall Ave., Perth Amboy, sketches 1 story, basement, 100 x 100 ft., brick, steel, plain found. $40,000. E. Wierzbicke, 175 Smith St., Perth Amboy, archt.

N. J., South Amboy—POWER PLANT—Jersey Central Power & Light Co., 20 South St., Morristown, subsidiary National Light & Power Co., 57 Williams St., New York, plans by Electric Planning & Eng. Corp., engrs. and archts., 57 William St., New York, 1 story, 160 x 160 ft., rein.-con., brick, steel, plain found., waterfront. $5,000,000. Noted Nov. 22.

Md., Baltimore — PLANT — Chemical & Pigments Co., St. Helena, W. J. O'Brien, vice-pres. and mgr., plant additions. $100,000.

Ala., Birmingham — PLANT — Pullman Car & Mfg. Co., 79 East Adams St., Chicago, Ill., purchased equipment of Tennessee Coal, Iron & Railroad Co., car building plant and plans enlarging same. To exceed $1,000,000.

Tenn., Lebanon—PACKING PLANT and CREAMERY—Swift & Co., U. S. Yards, Chicago, Ill., 5 story, 100 x 100 ft., along Tennessee Central R.R. $250,000.

O., Cincinnati — PLANT and BULK STORAGE—Pure Oil Co., 246 North High St., Columbus, plant for bulk storage. To exceed $40,000. Private plans.

O., Cleveland — FACTORY — Lake Erie Metal Products Co., J. F. Strand, genl. mgr., Dunham Rd., plans by H. W. Grieme, Engineers Bldg., 1 and 2 story, 75 x 100 ft., brick, steel, Dunham Rd. $50,000.

O., Cleveland — FACTORY—Continental Carbon Co., S. H. Fleming, pres., 13904 Lorain Ave., plans by A. Schobl, 3833 North 152nd St., 1 and 2 story, 36 x 45 ft. and 45 x 130 ft., brick, steel addition. $60,000.

Ill., Belleville — STOVE FACTORY — Baker Stove Co., 818 Church St., sketches by Gill & Jackson, 520 Buder Bldg., St. Louis, Mo., 3 story, 115 x 120 ft., brick, timber, concrete found., Cleveland and Freeburg Aves. $40,000.

Ill., Springfield—PLANT—Monarch Tractor Co., G. W. Sotshall, pres., subsidiary Allis-Chalmer Mfg. Co., West Allis, Wis., soon takes bids one 80 x 240 ft. and one 105 x 336 ft. additions to tractor manufacturing plant. $750,000. Klug & Smith Co., Mack Blk., Milwaukee, Wis., consult. engrs.

Ia., Dubuque — PRINTING PLANT — Dubuque Telegraph Times Herald, 498 Main St., F. V. Woodward, mgr., plans by Clausman, Kraus & Klein, Kahl Bldg., Davenport, 2 or 3 story, rein.-con., brick. $300,000.

Ia., Marengo—LIGHT PLANT—City, c/o F. W. Goldwaite, city clk., sketches rein.-con., brick, incl. 3 generating units, storage tanks. $157,000. Municipal Utilities Co., 421 Hubbell Bldg., Des Moines, engrs.

Ore., Portland — POWER PLANT — Northwestern Electric Co., Pittock Bldg., addition to double size existing plant, Lincoln St. and River. $1,200,000. Private plans.

Calif., Los Angeles—FACTORY—Willard Storage Battery Co., East 131st St. and St. Clair Ave., Cleveland, O. (branch, 1601 South Hope St., Los Angeles), factory. To exceed $250,000.

Calif., Riverside—WAREHOUSE, GARAGE, SHOP, etc. — Southern Sierras Power Co., C. A. Kelly, purch. agt., 777 West 8th St., 100 x 180 ft. warehouse, 70 x 80 ft. garage, 100 x 140 ft. shop, 30 x 400 ft. truck storage shed, all foregoing 1 story; 40 x 140 ft. runway, 40 x 140 ft. storage building, all rein.-con., steel. Private plans.

Que., St. Laurent—FOUNDRY—Robert Mitchell Co., Ltd., Brewster Ave., Montreal, foundry. $100,000.

Ont., Hamilton—MACHINE SHOPS and POWER HOUSE — Toronto, Hamilton, Buffalo Ry., R. Latham, ch. engr., new machine shops, power house, water tank yards. $1,000,000.

Ont., Leaside — BOX PLANT — Corrugated Paper Box Co., 187 Geary Ave., Toronto, plans by G. E. Treloar, 32 Duart Park Rd., Toronto, 1 and 2 story, basement, 200 x 700 ft., and 150 x 200 ft., rein.-con., brick, steel, plain found. $350,000.

Ont., Toronto—FABRICATING SHOP—Toronto Iron Wks., foot of Cherry St., 1 story, brick, steel, concrete found. $500,000. Private plans.

Ont., Toronto—PAPER PLANT—Canada Pad & Paper Co., 109 Simcoe St., plans by N. A. Armstrong & Co., 7 King St. E., 4 story, basement, 105 x 105 ft., rein.-con., brick, steel, plain found., Madison Ave. $200,000.

Ont., Toronto — PLANT — McColl Frontenac, Ltd., Montreal, Que., purchased old Page Hersey Tubes, Ltd., plant and plans remodelling same, on Ashbridge Bay. $300,000.

Sask., Regina—PLANT—Exide Battery Co., plant. $50,000.

Sask., Regina—PLANT—Dominion Envelope & Carton Co. Ltd. plant $200,000.

Sask., Regina—PLANT—Flint Paint & Varnish Co., new plant. $240,000.

Bids Asked

Mass., Worcester—REPAIR and SERVICE GARAGE, FILLING STATION—D. F. Daley, 521 Pleasant St., taking bids 1 story, 100 x 100 ft., concrete, steel, plain found., 24 Madison Ave. $40,000 or more. G. C. Halcoft, 32 Franklin St., archt. Noted Dec. 6.

N. Y., Brooklyn—SERVICE GARAGE—See "Contracts Awarded."

N. Y., Brooklyn — SERVICE GARAGE and LOFT — See "Contracts Awarded."

N. Y., Brooklyn—SERVICE GARAGE—Baruch Lewittes, 8908 Northern Blvd., Long Island City, taking bids on general and separate contracts 2 story, 82 x 237 ft., brick, concrete, West 35th and Surf Ave. $100,000. M. Schantz, 25 Spruce St., archt. Noted Dec. 6.

N. Y., Brooklyn — SERVICE GARAGE and GAS STATION — P. Schwartz, Manhattan Ave. and Richardson St., 80 x 125 ft., taking bids on separate contracts. brick, Manhattan Ave. and Richardson St. $40,000. C. M. Spindler, 164 Montague St., archt. Noted Dec. 6.

N. Y., Jamaica—MANUFACTURING—See "Contracts Awarded."

N. Y., Long Island City—WOODWORKING FACTORY—See "Contracts Awarded."

N. Y., New York—GARAGE and STORE—G. Paladino Holding Corp., 286 East 137th St., taking bids on separate contracts 1 story, 100 x 295 ft., brick, concrete, Austin Pl. and East 149th St. $75,000. De Rose & Cavalieri, 370 East 149th St., archts. Noted Nov. 29.

N. Y., New York—SERVICE GARAGE—See "Contracts Awarded."

N. Y., New York—SERVICE GARAGE—Laura Realty Corp., Inc., D. Snow, pres., 200 West 72nd St., taking bids on separate contracts, 5 story, 75 x 194 ft., brick, concrete, 524 East 73rd St. $150,000. W. C. Sommerfeld, 31 Union Sq., archt. Noted Dec. 6.

N. J., Jersey City—SERVICE BUILDING—Dec. 26, by New York State Bridge & Tunnel Comn., and New Jersey Interstate Bridge & Tunnel Comn., New York Administration Bldg., Canal and Varick Sts., New York, service building of Holland Tunnel, Provost St. between 13th and 14th Sts.

N. J., Paterson—SERVICE STATION and SHOW ROOM—See "Contracts Awarded."

Md., Baltimore—POWER HOUSE—Dec. 29, by Maginnis & Walsh, archts., Statler Bldg., Boston, Mass., concrete, brick, Roland St. and Belvidere Ave., for St. Marys Seminary, Paca and St. Marys Sts. Noted Dec. 13.

Ill., Chicago—FACTORY—R. B. Kurson, archt., 105 North Monroe St., taking bids 2 story, 80 x 350 ft., timber, brick, stone, 4400 West 26th St., for Starkline Furniture Co., 4400 West 26th St. $150,000.

Tex., Ft. Worth — MILLING PLANT — Ralston Purina Co., 835 South 8th St., St. Louis, Mo., E. W. Noxon, mgr. Eng. Dpt., taking bids and open same about Dec. 27, (by invitation only), 8 story, 45 x 76 ft., rein.-con., brick addition. $200,000. Private plans.

Tex., Mercedes — COLD STORAGE PLANT—Central Power & Light Co., Frost Bldg., c/o F. Ludden, dist. mgr., taking bids 2 story, 8,000 sq.ft. floor space, rein.-con., brick, plain found. $70,000. Private plans.

Calif., Richmond—PORCELAIN PLANT—California Porcelain Co. taking bids 1 story, brick, hollow tile. $40,000. D. E. Jaekle, 395 Justin Way, San Francisco, archt.

Contracts Awarded

Me., Bath—DAIRY PLANT—Oakhurst Dairy Co., c/o Cushman Baking Co., 1 story, brick, plain found., to Naugler Bros., Brunswick, $55,000. Noted Dec. 6.

Mass., Springfield—HEAT TREATING PLANT—See "Proposed Work."

Mass., Worcester — FACTORY — Bieber Polar Soda Co., 111 Summer St., altering and constructing 1 story, 75 x 100 ft., brick, concrete addition, plain found., to Harlan & McCarthy, 32 Dean St. Est. $40,000. Noted Dec. 6.

Mass., Worcester—SERVICE STATION—Bowker-Hamlin Tire Co., C. Bowker, 72 Mechanic St., 1 story, basement, brick, stone, rein.-con., plain found., Mechanic St., to Dworman Building Co., 16 Norwich St. Est. $40,000.

R. I., Woonsocket—PLANT—American Paper Tube Co., Hazel St., 1 story process building addition, concrete, plain found., to J. F. Fleurant & Sons, Inc., 18 Oak Hill Ave. Est. $40,000. Noted Dec. 6.

Conn., Danbury—SERVICE and SALES—Anderson Nash Corp., 143 White St., 1 story, 70 x 120 ft., brick, plain found., to Adams & Hanson, Housatonic Ave., New Milford. Est. $45,000. Noted Nov. 15.

N. Y., Brooklyn — FACTORY — Thames Trading Co., L. Hirsch, pres., 49 Thames St., 4 story, 115 x 160 ft., brick, day labor. $175,000. Noted Dec. 6.

N. Y., Brooklyn — LABORATORY — Brooklyn Union Gas Co., 176 Remsen St., 2 story, laboratory, Maspeth and Varick Aves., to W. F. Kenney, Co., 44 East 23rd St., New York. Est. $60,000.

N. Y., Brooklyn—SERVICE GARAGE—S. Katz, 550 Bristol St., 1 story, 100 x 114 ft., brick, concrete, Dean St. and Rochester Ave., separate contracts. $50,000. Cohn Bros., 361 Stone Ave., archt. Noted Dec. 6.

N. Y., Brooklyn—SERVICE GARAGE—S. Manlay, c/o M. Klein, archt., 65 Court St., 1 story, 100 x 160 ft., brick, concrete, separate contracts. $50,000. Noted Dec. 6.

N. Y., Brooklyn — SERVICE GARAGE and LOFT — M. Bergrenn, 552 Ovington Ave., 2 story, 80 x 81 ft., brick, separate contracts. $40,000. W. E. Martin, 9401 5th Ave., archt. Noted Dec. 6.

N. Y., Jamaica—MANUFACTURING—Hulles & Hares, Inc., 21 Hillcrest Ave., manufacturing lofts, Beaufort Ave. and Rockaway Blvd., separate contracts. $50,000. W. Sanbur, 164-10 Jamaica Ave., archt.

N. Y., Long Island City—WOODWORKING FACTORY—Jaffe Bros., 251 West 45th St., New York, woodworking factory, separate contracts. $90,000. Noted Nov. 29.

N. Y., New York—SERVICE GARAGE—Corporation, c/o M. Brencastock, 463 7th Ave., 3 story, 100 x 253 ft. service garage, Bronxdale Ave. and unnamed street, to Stores Building Co., 463 7th Ave. Est. $250,000. Noted Nov. 29.

N. Y., New York—SERVICE GARAGE—R. Hingers, 3350 Fenton Ave., 2 story, 85

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Buildings—Industrial (Continued)

x 106 ft., brick, concrete, separate contracts. $200,000. J. C. Watson, 271 West 125th St., archt. Noted Nov. 29.

N. Y., New York—SERVICE GARAGE—M. Wright, 400 East Fordham Rd., 2 story, 90 x 100 ft., brick, concrete, separate contracts. $50,000. Franklin, Bates & Heindsman, 2526 Webster Ave., archts. Noted Nov. 29.

N. J., East Spottswood (mail Old Bridge) — MILL — American Salpa Corp., c/o Clark, MacMallen & Riley, archts., 101 Park Ave., New York, general contract twelve 1 and 2 story, brick, rein.-con., buildings, to Turner Constr. Co., 420 Lexington Ave., New York. Est. $150,000. Excavation work started.

N. J., Irvington (br. Newark) — FACTORY—Freas Thermo Electric Co., 1 story, 90 x 160 ft., brick, steel, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. $50,000.

N. J., Kearny (sta. Arlington)—FACTORY—Western Electric Co., 195 Bway., New York, general contract four 6 story, rein.-con., brick, steel buildings, to Austin Co., 120 Bway., New York. Est. $1,250,000. Noted Dec. 6.

N. J., North Bergen (Ind. br. West New York) — CUTLERY FACTORY — L. Weltersbach, 236 Baldwin Ave., Jersey City, general contract 1 story, basement, 125 x 130 ft., brick, steel, plain found., Harrison Pl. and Burr Ave., to G. Siegler, 81 Grand St., Jersey City. Est. $40,000.

N. J., Paterson—SERVICE STATION and SHOW ROOM—Letz & Katz, 617 Bway., 1 story, basement, 100 x 400 ft., brick, steel, plain found., 35th and Market Sts., separate contracts. $150,000. J. Holt, 132 Market St., archt. Coleman & Haloran, c/o owner, lessee. Noted Dec. 13.

N. J., Scobeyville (mail Eatontown) — WIRELESS STATION—Universal Wireless Communication Co., general contract 1 story, basement wireless transmitting station, County Rd., to E. P. Muntz, L. V. Terminal Bldg., Buffalo, N. Y. Est. $100,000.

N. J., Teaneck (br. Hackensack) — LAUNDRY—Teaneck Laundry, c/o C. V. R. Bogert, archt., 210 Main St., general contract 1 story, basement, brick, steel, plain found., Teaneck Rd. to Beyea Constr. Co., 973 Bway., Union City. Est. $40,000. Noted Oct. 11.

N. J., Townley (mail Elizabeth)—FACTORY—Metals Disintegrating Co., general contract 2 story, basement, 55 x 110 ft., brick, steel addition, plain found., to Wilhelms Constr. Co., 119 Division St., Elizabeth. Est. $40,000.

Pa., Phila.—MANUFACTURING—T. S. Gassner Co., 4545 Wayne Ave., 2 story, basement, 69 x 110 ft., brick, steel, plain found., Wayne and Apsley Sts., to John N. Gill Co., City Center Bldg. Est. $65,000.

N. C., Hickory—GAS PLANT—Piedmont Utilities Co., 1 story, brick or stone, 350 hp. gas plant, to A. A. Whitlock, Hickory, $400,000.

Miss., Hattiesburg—POWER HOUSE—State Teachers College, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., repairing power house, to A. B. Hayden, Inc., Pass Christian, $13,500; improving roads, to E. A. Finch, Hattiesburg, $16,944. Noted Nov. 8 under "Buildings—Educational, Religious, Bids Desired."

O., Cleveland — FORGE SHOP — Ulchek Tool Co., F. J. Ulchek, pres., 3001 East 87th St., 1 story, 40 x 125 ft., brick, steel, 3001 East 87th St., to Hunkin-Conkey Constr. Co., Hunkin-Conkey Bldg. Est. $40,000.

Ind., Ft. Wayne — FACTORY — Deere Plow Co., general contract 4 story, 100 x 100 ft., rein.-con., brick, to Indiana Eng. & Constr. Co., 201 Central Bldg. Est. $150,000. Noted Nov. 15.

Ind., Indianapolis—FOUNDRY—Peerless Fdry. Co., Ludlow Ave., general contract 77 x 141 ft., brick, steel, 1843 Ludlow Ave., to W. C. LeFever, 440 North Rural St. Est. $46,000.

Ind., Newcastle — FACTORY — Chrysler Corp., S. E. Welch, supt., 80 x 80 ft., rein.-con., brick, 18th and I Aves. Owner builds. $40,000.

Mich., Detroit — BRASS WORK FACTORY—Michigan Smelting & Refining Co., 1 story, 60 x 200 ft., rein.-con., brick, steel addition, plain found., Jos. Campau Ave., to Krieghoff Co., French Rd. Est. $50,000.

Mich., Detroit—POWER HOUSE—P. Lighting Comn., 176 East Atwater St., rein.-con., steel support for 4th turbine unit in Morrell St. Power House, to W. E. Wood, 1805 Ford Bldg., $41,121.

Mich., Detroit—SALES and SERVICE—Knox-Kay Co., Linwood and Clement Sts., 1 story, 90 x 120 ft., concrete, brick, steel addition, to Austin Co., 16112 Euclid Ave., Cleveland. Est. $40,000.

Ill., Chicago — SERVICE STATION — Lowenberg & Lowenberg, archts., 111 West Monroe St., masonry contract 2 story, 100 x 300 ft., brick, to Vagtborg Constr. Co., 251 West 79th St., for Studebaker Sales Corp., 24th and Federal Sts. Est. $90,000.

Ill., Harvey—FACTORY—Buda Mfg. Co., 154th St., L. M. Viles, pres., masonry contract brick factory, to T. D. Hodson & Co., Harvey; structural steel, to Amer. Bridge Co., 208 South La Salle St., Chicago. Est. $65,000.

Minn., Minneapolis—CREAMERY—Land O'Lakes Creameries, A. J. McGuire, genl. mgr., 2201 Kennedy St. N. E., general contract 2 story, basement, 100 x 130 ft., rein.-con., brick addition, to Splady & Haagenson, 609 Marquette Ave. Est. $150,000. Noted Dec. 6.

Mo., Kansas City—COLD STORAGE—United States Cold Storage Co., 500 East 3rd St., 3 and 8 story, basement, rein.-con., brick, steel, 500 East 3rd St., to E. W. Sproul, 310 South Michigan Blvd., Chicago, Ill.

Calif., Oakland — PACKING PLANT — Kings County Packing Co., Reedley, 180 x 300 ft., brick, steel main cannery with 2 story, 130 x 180 ft. section, 50 x 180 ft. cooling platform, boiler house, machine shop and 2 warehouses, to Austin Co. of California, Russ Bldg., San Francisco. Est. $500,000.

Calif., Orange—PACKING PLANT—Santiago Orange Growers Assn., 2 story, 80 x 80 ft., pre-cooling, 1 story, 50 x 120 ft. ice and 80 x 140 ft. packing plants, all hollow tile, rein.-con., to Gay Eng. Corp., 2650 Santa Fe Ave., Los Angeles, $150,000.

Calif., Tiburon — MACHINE SHOP — Northwestern Pacific R.R. Co., S. H. Hicks, ch. engr. 64 Pine St., San Francisco, 1 story, steel, iron to Austin Co. of California, Russ Bldg., San Francisco, $32,520. Noted Oct. 4.

Ont., Toronto — FACTORY — Massey-Harris Co., Ltd., Ling St. W., general contract 40 x 50 x 280 ft., rein.-con., brick, steel, to Walter Davidson & Co., Ltd., 188 Duke St. Est. $100,000.

Ont., Windsor—PLANT—Auto Specialties Mfg. Co. of Canada, general contract concrete, brick, steel addition, concrete found., to S. E. Dinsmore & Co., Security Bldg. Est. $75,000.

B. C., Kilgard — BRICK and TILE PLANT—Clayburn Co. Ltd., 850 Hastings St. W., Vancouver, clearing, excavation for addition to plant, to T. A. McKenzee, 1870 33rd Ave. W., Vancouver, $50,000.

Buildings—Commercial

Proposed Work

Me., Portland — APARTMENT — Owner, c/o O. I. Emerson, archt., 10 Cottage St., sketches 2 apartment units, 40 and 60 apartments. To exceed $150,000.

Mass., Boston—BANK—Dorchester Savings Bank, R. E. Smith, pres., 570 Columbia Rd., altering and constructing 2 story, basement, brick, steel addition, plain found., 570 Columbia Rd. $150,000. Engineer and architect not selected.

Mass., Boston—HEALTH—City, F. X. Mahoney, comr., City Hall, 2 story, basement, brick, stone, plain found., Huntington Ave., Hemenway St. and Forsythe Rd. $300,000. Engineer and architect not selected.

Mass., Boston—THEATRE and OFFICE—DeBlois & Madison, trustees, Barristers Hall, theatre and office building, Boylston and La Grange Sts. To exceed $150,000. Engineer and architect not selected.

Mass., Newton (Ind. br. Boston) — APARTMENT—Lamph Studio, Inc., 27 Richardson St., 3 story, basement, irregular sized, brick, plain found., Richardson St. $150,000. Private plans.

Mass., Pittsfield—BANK—City Savings Bank, C. F. Coogan, pres., 116 North St., brick, steel, North St. To exeeced $150,000. Engineer and architect not selected.

Mass., Somerville (br. Boston)—HOSPITAL—Trustees Somerville Hospital, F. J. Dreyer, chn. building com., revised plans by Stevens & Lee, 45 Newbury St., Boston, 4 story, basement, 40 x 160 ft., brick, plain found., Crocker St. $160,000. Former bids rejected. Noted Aug. 9.

Mass., Watertown (Ind. br. Boston) — MUNICIPAL—Town, W. P. McGuire, clk., municipal building. To exceed $150,000. Engineer and architect not selected.

R. I., Newport—THEATRE, STORE and OFFICE—Kenmore Realty Corp., B. Rockman, 15 Deerfield St., Boston, Mass., plans by G. N. Jacobs, 9 Bosworth St., Boston, Mass., brick, steel, Broadway. $300,000.

R. I., Providence—BANK and OFFICE—Providence National Bank, 20 Westminster St., bids after Jan. 1, 3 story, basement, brick, rein.-con., steel, plain found., Westminster St. $150,000 or more. Howe & Church, Turks Head Bldg., archts. Noted Aug. 9.

R. I., Providence—STORE and OFFICE—A. Milot, c/o A. J. Samson, archt., 99 Main St., Woonsocket, sketches, Westminster St. $150,000 or more.

N. Y., Buffalo—APARTMENT—Owner, c/o Bley & Lyman, archts., 505 Delaware Ave., apartment, 800 West Ferry St. $400,000.

N. Y., Hastings-on-Hudson—HOSPITAL—Jewish Mental Health Society, c/o Ross & Allen, archts., 101 Park Ave., New York, hospital group. To exceed $150,000.

N. Y., Jamaica—HOTEL—Long Island Hotels, Inc., 149-27 Jamaica Ave., plans by MacLean, 149-27 Jamaica Ave., 7 story, 58 x 77 ft., brick, steel, 89th Ave. and West 161st St. $150,000.

N. Y., Long Island City—APARTMENT—Rego Co., 786 Fresh Pond Rd., Ridgewood, plans by B. Braunstien, 163-18 Jamaica Ave., Jamaica, 6 story, 93 x 193 ft., brick, timber, Sanders St. $350,000.

N. Y., New York—APARTMENT—Corporation, c/o M. Goldberg, 115 McClellan St., plans by C. Kremyborg & Son, 2534 Marion Ave., 6 story, 86 x 186 ft. apartment, 5009 Bway. $365,000.

N. Y., New York—APARTMENT—Corporation, c/o R. Lucter, 56 Pine St., plans by O. Goldschlag, 1492 Bway., 6 story, 87 x 100 ft., brick, timber, 579 West 204th St. $200,000.

N. Y., New York—APARTMENT—One Hundred Five East 65th St. Corp., R. C. Brown, pres., 149 Bway., bids in January or February, general contract 13 story, 79 x 120 ft., brick, steel, 623 Park Ave. $900,000. J. E. R. Carpenter, 598 Madison Ave., archt. Noted Dec. 6.

N. Y., New York — APARTMENT — A. Deutschman, 1440 Bway., 6 story, 100 x 150 ft. apartment, Bennett Ave. near 192nd St. $150,000. Engineer and architect not selected.

N. Y., New York — APARTMENT — S. Horowitz, 9 East 40th St., plans by E. Roth, 1440 Bway., 16 story, apartment, 15 West 81st St.

N. Y., New York—APARTMENT—One Hundred Seventy-Six East 82nd Street Corp., L. Jakobson, pres., 261 Bway., plans by Schwartz & Gross, 347 5th Ave., 76 x 122 ft. apartment, 167 East 82nd St. To exceed $600,000.

N. Y., New York — APARTMENT — A. Paterno, 578 Madison Ave., and A. Campagna, 551 5th Ave., plans by R. Candela, 578 Madison Ave., 14 story, 25 x 102 ft., brick, 74th St. and Park Ave. $350,000.

N. Y., New York—BANK and APARTMENT—County Trust Co., 97 8th Ave., bank and apartments or bank and commercial building 8th Ave. and 14th St. To exceed $150,000. Engineer and architect not selected.

N. Y., New York — COMMERCIAL — I. Zimmer, 285 Madison Ave., commercial building, 247 Bway. To exceed $150,000. Engineer and architect not selected.

N. Y., New York — LOFT and SHOWROOM—Five Hundred Five 8th Ave. Corp., 1440 Bway., plans by C. J. Strom, 1440 Bway., 24 story, brick, steel, 501 8th Ave. $650,000.

N. Y., New York—STORE and APARTMENT—P. J. Dwyer, 2519 Sedgwick Ave., store and apartment, Bway. and 181st St. To exceed $150,000.

N. Y., Riverdale (mail New York)—APARTMENT—H. Schiff, 2520 Bway., New York, 15 story apartment, Kappock St. and Johnson Ave. Engineer and architect not selected.

N. Y., Yonkers—HOSPITAL—St. Johns Riverside Hospital, Ashburton Ave., bids in March or April, general contract 6 story hospital. $500,000. G. P. Butler, Jr., 40 East 49th St., New York, archt. Noted Oct. 25.

N. J., Asbury Park — APARTMENT HOTEL—Asbury Arms Corp., c/o B. S. Swartbury, archt., 2 West 46th St., New York, sketches brick, steel, plain found. $150,000.

N. J., Cliffside Park (mail Cliffside)—APARTMENT — S. Engel, 237 29th St., North Bergen, plans by L. Vivoli, 411 Palisade Ave., Cliffside, 4 story, basement brick, steel, plain found., Grant Ave and Palisade Trolley Line. $150,000.

N. J., Elizabeth—APARTMENTS—Stanley Building Co., c/o J. Anderson, archt., 251 North Broad St., sketches thirteen 2 story, basement, 28 x 58 ft., brick, plain found., Ogden St. $150,000.

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Buildings—Commercial (Continued)

N. J., Englewood — APARTMENT — J. Summers, Grand Ave., plans by C. G. Mettburg, 7 South Dean St., 5 story, basement, 75 x 100 ft., brick, steel, plain found. Grand Ave. and Chester Pl. $185,000. Noted Dec. 13.

N. J., Hackensack—COURT HOUSE—Bd. Freeholders Bergen Co., Court House, 5 story, basement, brick, steel addition, plain found., on 100 x 200 ft. site. $250,000. Engineer and architect not selected.

N. J., Hillside (sta. Elizabeth)—APARTMENT—Economy Constr. & Realty Co., plans by E. V. Wagren, 31 Clinton St., Newark, 5 story, basement, brick, steel, plain found., Maple and Gruman Aves. $150,000. Noted Dec. 13.

N. J., Jersey City — APARTMENT — Trustees Development Co., Inc., B. Kaufman, pres., 27 Wegman Parkway, plans by M. Kraut, 3010 Hudson Blvd., 5 story, basement, 70 x 100 ft., brick, steel, plain found., 620-24 Pavonia Ave. $150,000.

N. J., Jersey City—APARTMENT—Ultra Holding Co., c/o C. Shilowitz, archt., Tube Concourse Bldg., 4 story, basement, brick, steel, plain found., Pavonia and Corlin Aves. $160,000.

N. J., Jersey City — BANK — Clermont Bank, c/o Kelly & Cowan, archts., 921 Bergen Ave., sketches 2 story, basement, brick, steel, plain found. $150,000.

N. J., Jersey City — LABORATORY — Port of New York Authority, 75 West St., New York, rejected bids Dec. 3, 2 or 4 story, steel, rein.-con., Fox Pl. Noted Dec. 13.

N. J., Jersey City—TERMINAL FACILITIES—Pennsylvania R.R. Co., T. J. Skillman, ch. engr., Phila., Pa., soon takes bids terminal facilities, incl. extensive track, yard changes, rail and water facilities, Grove St. and Jersey Ave. $40,000,000.

N. J., Newark—APARTMENT—I. Katzman, 333 Lyons Ave., plans by J. Centanni, 142 Market St., 3 story, basement, 70 x 100 ft., brick, steel, plain found., Sibley St. and Lyons Ave. $150,000. Noted Dec. 6.

N. J., Newark—APARTMENT—Owner, c/o H. J. and J. V. King, archts., 222 Market St., sketches 4 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—BANK—Morgan, French & Co., Inc., archts., 19 West 44th St., New York, soon lets general contract 2 story, basement, 75 x 115 ft., rein.-con., brick, steel, plain found., Clinton and Chadwick Aves., for Clinton Trust Co., 515 Clinton Ave. Est. $150,000.

N. J., Newton—HALL of RECORDS—Bd. Freeholders Sussex Co., Court House, sketches by Kelly & Cowan, 921 Bergen Ave., Jersey City, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—HOSPITAL, etc.—Newark Memorial Hospital, 340 Bank St., plans by Guilbert & Betelle, 20 Branford Pl., 10 story, basement, 50 x 100 x 188 ft. hospital, 1 story, basement, power house and laundry, rein.-con., brick, steel, plain founds., Newton St. $1,250,000. Noted Dec. 6.

N. J., Newark—HOTEL—Owner, c/o A. G. Brach, engr. and archt., 60 Park Pl., sketches 7 story, basement, 70 x 150 ft., rein.-con., brick, steel, plain found., Washington St. $300,000.

N. J., Newark—THEATRE, OFFICE and GARAGE—A. M. Greenfield, M. Rachlin, in charge, 9 Clinton St., sketches by F. W. Wentworth, 140 Market St., 20 story theatre and office building, and 10 story garage, rein.-con., brick, steel, plain founds., 12-32 Lafayette St., and 870-80 Broad St. $5,000,000.

N. J., Oakhurst—BANK—National Bank c/o S. P. Wertheim, Wanamassa Dr., West Allenhurst, 2 story, basement, brick, steel, plain found. $150,000.

N. J., Orange — APARTMENT — J. Zingalli, Glen Ridge Ave., Montclair, rejected bids general contract 4 story, basement, 90 x 132 ft., brick, steel, plain found., North Center and Washington Sts. $160,000. A. P. Nucciarone, 206 Central Ave., archt. Noted Nov. 1.

N. J., Palisades Park—APARTMENT—J. Ciofli, c/o J. Lugoseh, archt., 714 Bergenline Ave., Union City, sketches 4 story, basement, brick, steel, plain found., South Central Blvd. and Highland Ave. $150,000.

N. J., Passaic—APARTMENT—F. La Rocca, 39 Lincoln St., plans by H. Gerritsen, 118 Passaic St., Garfield, 3 story, basement, 85 x 100 ft., brick, steel, plain found., Van Houten Ave. $175,000.

N. J., Passaic—APARTMENT—Avenue Realty Co., c/o Preiskel & Skvoria, archts., 26 Lexington Ave., sketches 4 story, basement, 184-90 Lexington Ave. $175,000.

N. J., Plainfield — APARTMENT and GARAGE—G. E. Stillman, 415 West 7th St., plans by M. O. Klemmt, 43 Hill St., Newark, 4 story, 100 x 125 ft., apartment, 4 story, basement, 105 x 120 ft. garage, brick, steel, plain found., 415 West 7th St. and Central Ave. $225,000.

N. J., Red Bank — APARTMENT — M. Greenberg, 620 Princeton Ave., Lakewood, sketches by C. T. Frus, 50 West Front St., 3 story, basement, 80 x 100 ft., brick, steel plain found., LeRoy Pl. $200,000.

N. J., Ridgefield — APARTMENT — H. Benowitz, 545 West End Ave., New York, plans by S. Gardstein, 44 Court St., Brooklyn, N. Y., 5 story, basement, brick, steel, plain found., Bergen Ave. and W. Mt. Vermont St. $200,000.

N. J., Roselle Park (br. Elizabeth)—APARTMENT — G. Dobb, Sheridan Ave., plans by M. Kraut, 3010 Blvd., Jersey City, 4 story, basement, brick, steel, plain found., Colfax Ave. and Chestnut St. $150,000.

N. J., Westwood—BANK—Necarsulmer & Lehlbach, archts., 420 Lexington Ave., New York, soon lets general contract 4 story, basement, rein.-con., brick, steel, plain found., Westwood Ave. and Bway., for Westwood Trust Co., 22 Westwood Ave. $150,000. Noted Oct. 4.

Pa., Chester — GARAGE — Cashland & Beard, archts., Crozer Bldg., soon lets contract 2 story, basement, 88 x 260 ft., rein.-con., brick, plain found., 5th and Chester Sts., for F. Rosenbloom, c/o architects. $200,000.

Pa., Phila. — ARCADE, STORE and HOTEL—B. Cohen & Son, 109 South 11th St., plans by Cashland & Beard, Crozer Bldg., Chester, 12 story, basement, 35 x 100 ft., rein.-con., brick, steel, plain found., 31 South 11th St. $300,000.

Miss., Oxford—CAFETERIA and PUMP HOUSE — University of Mississippi, c/o Mississippi State Building Comn., Jackson, W. C. Trotter, secy., rejected bids 2 story, basement, 51 x 200 ft., rein.-con., brick. Will readvertise. F. P. Gates, Edwards Hotel Bldg., Jackson, engr. Noted Nov. 15.

O., Cleveland—APARTMENT—J. Cadkin, 3610 East 147th St., 3 story, basement, 38 x 110 ft., brick, steel, 10408 Clifton Blvd. $150,000. Private plans.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., R. P. Eide, genl. mgr., 750 Huron Rd., plans by A. W. Bailey, 750 Huron Rd., 2 story, basement, 110 x 150 ft., rein.-con., brick, 7247 Bway. $300,000. Noted Oct. 18.

O., Euclid (br. Cleveland)—HOSPITAL—Salvation Army, c/o H. Roberts, 2304 East 9th St., Cleveland, plans by G. S. Rider Co., Century Bldg., Cleveland, 3 story, basement, rein.-con., brick, steel, Torbenson Rd. $150,000.

O., Lakewood (br. Cleveland)—APARTMENT—Z. Ulevitch, 1045 East 98th St., Cleveland, plans by M. Weis, 1836 Euclid Ave., Cleveland, 3 story, basement, 56 x 154 ft., brick, 15325 Lake Ave. $150,000.

O., Toledo — HOTEL — S. Aftel, archt., Madison Ave., soon lets contract 4 story, 36 x 78 ft., Superior St., for G. B. Ricaby, 514 Jefferson Ave. $185,000.

Ind., Vincennes—HOTEL—Ft. Sackville Realty Co. plans by Sutton & Routt, Citizens Trust Bldg., 7 story, basement, 85 x 120 ft., rein.-con., 4th and Main Sts. $275,000.

Mich., Birmingham—COMMUNITY—Village plans by Muehlman & Farrar, 2231 Park Ave., Detroit, 2 story, basement, 105 x 120 ft., rein.-con., brick, steel, stone, plain found. $150,000.

Mich., Detroit—TEMPLE—Detroit Lodge Elks, B. P. White, exalted ruler, West Lafayette Ave., plans by Malcolmson & Higginbotham, 1219 Griswold St., rein.-con., brick, steel, stone, plain found., Jefferson Ave. $1,000,000.

Neb., Omaha—PASSENGER STATION—Union Station Co., c/o Union Station, bids in spring 3 story, rein.-con., brick, stone passenger station to be used by Chicago, Burlington & Quincy, Union Pacific, Chicago & Northwestern, The Great Western, Rock Island, Wabash, Missouri-Pacific & Milwaukee R.R. Companies. $2,500,000.

Kan., Wichita—EXCHANGE — Southern Bell Telephone Co., Telephone Bldg., Kansas City, Mo., soon lets contract 2 story, basement, 100 x 140 ft., rein.-con., brick, 2nd St. and Topeka Ave. I. R. Timlin, 1916 Southern Bell Bldg., St. Louis, Mo., archts. Noted Dec. 13.

Mo., St. Louis—HOSPITAL—St. Vincent De Paul Sisters of Charity, c/o St. Louis Mullanphy Hospital, 3225 Montgomery St., C. E. Quick, constr. supt., 5354 Minerva Ave., bids early in 1929, 5 story, basement, rein.-con., brick, stone hospital, incl. boiler house, Kingshighway near Spalding Ave. $1,000,000. O'Meara & Hills, Arcade Bldg., archts. Noted Nov. 3, 1927.

Tex., Port Arthur—HOTEL—H. W. Gilbert, surveys resort hotel on 100 acre site, Sabine-Neches Canal near Proctor St. extension. $1,000,000. Private plans.

Tex., San Antonio — OFFICE and GARAGE—J. M. Nix, 205 East Travis St., soon lets contract 18 story, basement, 111 x 168 ft., brick, stone, steel, Navarro and College Sts. $1,500,000. H. T. Phelps, Hicks Bldg., archt. Beretta-Stiles Co., Inc., 1203 Natl. Bank of Commerce Bldg., constr. engr. Noted Sept. 13.

Tex., Victoria—HOTEL—Bruner Hotels, Inc., G. L. Bruner, 434 Bedell Bldg., San Antonio, revised plans by J. G. Becker, 218 North Washington St., San Angelo, 10 story, basement, 1st story, 65 x 163 ft., mezzanine 32½ x 130 ft. and balance 32½ x 72 ft., rein.-con., steel, plain found. $300,000. Former contract rescinded. Noted Nov. 27.

Okla., Bartlesville — THEATRE—Griffith Amusement Co., 700½ West Grand St., Oklahoma City, 2 story, 75 x 150 ft., brick, rein.-con., plain found. $150,000. Engineer and architect not selected.

Okla., Oklahoma City—HOTEL—J. M. Hale plans by J. D. Mathews, Magnolia Bldg., 5 story, 75 x 140 ft., rein.-con. addition, 9th and Robinson Sts. $150,000.

Okla., Tulsa — OFFICE — W. Phillips, Philtower Bldg., sketches by Smith & Senter, archts. and engrs., Philtower Bldg., 6 story (ultimately 12 story), basement, 140 x 150 ft., rein.-con., brick, plain found., Boston St. $600,000. Noted Nov. 22.

Calif., Carmel—HOTEL—J. B. Jordan, c/o Blaine & Olsen, archts., 1755 Bway., Oakland, sketches 3 story, stucco, Spanish type hotel. $150,000.

Calif., Hanford—THEATRE and STORE—West Coast Theatres Co., Film Exch. Bldg., Los Angeles, sketches by Balch & Stanberry, Film Exch. Bldg., Los Angeles, brick, concrete theatre and stores. $185,000. Noted July 19.

Calif., Hanford—HOTEL—J. A. Pasqualetti, 785 Market St., San Francisco, rein.-con., 7th and Irwin Sts. $150,000. C. W. Zollner, 785 Market St., San Francisco, engr.

Calif., Los Angeles—APARTMENT—G. Brockman, c/o L. L. Jones, archt., 2504 West 7th St., 6 story, basement, 50 x 165 ft., rein.-con., Occidental Ave. near 6th St. $175,000.

Calif., Los Angeles — APARTMENT — Owner, c/o W. W. Campbell, archt., 3022 West 10th St., 4 story, basement, 95 x 150 ft., brick, Santa Monica Blvd. $200,000.

Calif., Los Angeles — MARKET — C. E. Toberman, c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., sketches 2 story, double basement, 110 ft. tower, steel, concrete, 70,000 sq.ft. floor space, Highland Ave. To exceed $500,000.

Calif., Oakland—APARTMENT—Owner, c/o De Sanno & Bedwell, archts., 337 17th St., sketches 5 story, basement, brick apartment. $200,000.

Calif., Oakland—APARTMENT—Sandowsky Realty Corp., 1671 Market St., San Francisco, sketches fireproof, on 75 x 110 ft. site, East 12th St. and 1st Ave. $500,000.

Calif., Oakland—APARTMENT—J. Vanderkar, 1943 Fruitvale Ave., plans by S. G. Jackson, 178 Grand Ave., 4 story, basement, steel, concrete, Foothill Blvd. and 36th St. $150,000.

Calif., Sacramento—HOTEL—Owner, c/o Irvine & Ebbets, archts., Call Bldg., San Francisco, sketches 10 story, basement, Class "A" hotel. $200,000.

Calif., San Francisco — APARTMENT — Owner, c/o H. Shermund, archt., Hearst Bldg., 7 story, basement, brick, steel, Grove St. near Laguna St. $300,000.

Calif., San Rafael—HOTEL—Owner, c/o S. Heiman, archt., 57 Post St., San Francisco, 125 room Class "A" hotel. $300,000.

Calif., Santa Cruz—HOSPITAL—J. M. Gates, et al., Rittenhouse Bldg., plans by A. I. Coffey, Phelan Bldg., San Francisco, 2 story, basement, rein.-con., Soquel Ave. $150,000.

Que., Montreal—OFFICE—International Paper Co., 100 East 42nd St., New York, C. A. R. Graustein, pres., 34 story, Beaver Hall Hill. Engineer and architect not selected.

Ont., Galt—THEATRE—Famous Players Canadian Corp. Ltd., Royal Bank Bldg., Toronto, concrete, brick, steel. $150,000. Engineer and architect not selected.

Ont., Hamilton—HOSPITAL—Hamilton Genl. Hospital Bd., A. F. Hatch, chn., 71 Melrose Ave. W., plans by G. T. Evans, 72 James St. N., 4 story, basement, brick addition, Barton St. $295,000.

Ont., Toronto — THEATRE — Gaumont British Film Co., 277 Victoria St., concrete, brick, stone, marble, terrazzo, steel, concrete found., Yonge St. $1,000,000. Engineer and architect not selected.

Ont., Windsor—MARKET and AUDITORIUM—Council, C. E. Jackson, mayor, plans by Trace & Diehl, Bank of Montreal Bldg., 2 story, Pitt St. $185,000.

Ont., Windsor—WAREHOUSE—International Ice & Cold Storage Co., 905 Mercer St., plans by Dangerfield & Winters, Huron and Erie Bldg., 3 story top addition, rein.-con., Mercer St. $1,000,000.

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Buildings—Commercial (Continued)

N. S., Halifax—TERMINAL—P. Jack, chn. Bd. Harbor Comrs., completing buildings for B unit at South Terminals, $2,500,000, and addition to A unit, to exceed $1,000,000.

Bids Asked

N. H., Manchester—THEATRE—Strand Theatre, c/o G. N. Jacobs, archt., 9 Bosworth St., Boston, Mass., taking bids altering 1 story, basement, brick, steel, plain found., Hanover St. $150,000. Noted Dec. 6.

Mass., Allston (sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Quincy (Ind. br. Boston) — APARTMENTS—New England Realty Co., c/o T. B. Epps, archt., 20 Newbury St., Boston, taking bids 3 story, basement, 75 x 100 ft., brick, stone, plain found., 100 Washington St. $150,000.

Mass., Roxbury (sta. Boston)—APARTMENTS—See "Contracts Awarded."

Conn., Bridgeport—EXCHANGE—Southern New England Telephone Co., 157 Church St., New Haven, taking bids 10 story, basement, 90 x 145 ft., brick, steel, plain found., John and Church Sts. To exceed $150,000. R. W. Foote, 185 Church St., New Haven, archt.

Conn., Hartford — APARTMENT — A. Grella, 205 Magnolia St., taking bids 3 story, 100 x 130 ft., brick, cast stone, Magnolia St. $150,000. G. L. Dunkelberger, 721 Main St., archt.

Conn., Hartford — STORE and OFFICE —Central Co., c/o Whiton & McMahon, archts., 803 Main St., taking bids 6 story, brick, steel, limestone, Main and Asylum Sts. $200,000.

N. Y., Binghamton—RECEPTION—Jan. 30, by Commissioner Dpt. Mental Hygiene, Albany, additions to reception building, Binghamton State Hospital.

N. Y., Brooklyn—APARTMENT—Garfield Park Corp., A. W. Barler, pres., 162 Remsen St., taking bids on separate contracts 15 story, 100 x 165 ft., brick, Garfield Pl. $1,000,000. E. Roth, 1440 Bway., New York, archt.

N. Y., Brooklyn—APARTMENT—Hudson View Gardens, Inc., E. H. Patrick, pres., West 183rd St. and Pinehurst Ave., New York, taking bids on separate contracts 15 story, 80 x 100 ft., brick, timber, Prospect Park and President St. $600,000. Boak & Paris, 11 West 42nd St., New York, archts. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Flushing — APARTMENT — See "Contracts Awarded."

N. Y., Hollis (br. Jamaica) — APARTMENT — See "Contracts Awarded."

N. Y., Jamaica — APARTMENT — See "Contracts Awarded."

N. Y., Long Island City—APARTMENTS —See "Contracts Awarded."

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—APARTMENT HOTEL —Schwartz & Gross, archts., 347 5th Ave., taking bids separate contracts, apartment hotel, 136 West 55th St., for One Hundred Thirty-Eight West 55th St., T. Goldberg, pres., 420 West End Ave. Est. $500,000.

N. Y., New York—STOCK and SHOWROOMS and OFFICE — See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—See "Contracts Awarded."

N. Y., New York—STORE and APARTMENT—Starrett & Van Vleck, archts., 393 7th Ave., taking bids 6 story, 89 x 92 ft., brick, steel, 1271 Bway., for American Realty Corp., M. Davidson, treas., 160 Bway. $200,000. John David Stores, Bway. and 32nd St., lessee. Noted Dec. 6.

N. Y., Richmond Hill (Ind. br. Jamaica)—APARTMENT—See "Contracts Awarded."

N. Y., Rye Beach (mail Rye)—ADMINISTRATION—Jan. 2, by Westchester Co. Park Comn., East Pondfield Rd., Bronxville, administration building, music tower and flag pole, at "Playland." J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Dec. 20.

N. Y., Southampton—THEATRE—Corporation, c/o E. C. Alexion, 128 West 95th St., New York, taking bids 3 story, brick, limestone, Main St. $175,000. Schlanger & Ehrenrick, 45 West 34th St., New York, archts. Noted Oct. 25.

N. J., Cliffside Park (mail Cliffside)—THEATRE—H. B. Crosby, archt., 125 Ellison St., Paterson, bids about Feb. 1, general contract 2 story, basement, brick, steel, plain found., George Rd. and Anderson Ave., for Syndicate forming, F. Meyers, chn. Noted Nov. 15.

N. J., Englewood—APARTMENT—Sigram Realty Co., 244 Grand Ave., taking bids separate contracts 5 story, basement, 94 x 130 ft., brick, steel, plain found., Chester Pl. and Grand Ave. $250,000. C. G. Mettburg, 7 South Dean St., archt. Noted Dec. 13.

N. J., Jersey City — HOTEL — Thomas, Martin & Kilpatrick, engrs. and archts., 220 South 16th St., Phila., Pa., awards general contract about Mar. 1, 17 story, basement, brick, steel, rein.-con., plain found., 2859 Hudson Blvd., for Journal Sq. Hotel Corp., W. C. Heppenheimer, chn., 369 Lexington Ave., New York. $5,000,000. Noted Aug. 2.

N. J., Newark—APARTMENT—N. Harris, archt., 20 Branford Pl., bids about Apr. 1, general contract 8 story, basement, 70 x 125 ft., brick, steel, plain found., 345-53 Bloomfield Ave., for Stadium Realty & Investment Co., c/o architect. Noted Sept. 27.

N. J., Newark—GARAGE—Owner, c/o F. Koeinigsberger, archt., 48 Walnut St., bids about Jan. 15, general contract 3 story, basement, 59 x 200 ft., brick, steel, plain found. $150,000. Noted Nov. 22.

N. J., Newark—HOTEL—Ace Constr. Co., c/o Simpson & Rolston, archts., 45 Walnut St., bids about Jan. 15, revised plans 8 story, basement, 50 x 84 ft., brick, steel, rein.-con., plain found., 240 Mount Prospect Ave. $150,000. Noted Oct. 25.

N. J., Newark—MASONIC CLUB—Dec. 21, by Guilbert & Betelle, archts., 20 Branford Pl., taking bids general contract altering and constructing 2 story, basement, brick, steel addition, plain found., High and Court Sts., for Scottish Rite bodies, c/o architect. $150,000.

N. J., Newark—OFFICE, STORE and STUDIO—G. J. Jensh, archt., 876 Broad St., taking bids general contract 4 story, basement, rein.-con., brick, steel, plain found., 12 Hill St., for McGuire Building, Inc., c/o architect. $150,000.

N. J., Paterson—APARTMENT—E. R. Coe, archt., 136 Washington St. taking bids separate contracts 3 story, basement, 70 x 100 ft., brick, steel, plain found., 21st Ave. and 26th St. for Gookin Constr. Co., 45 Howe Ave., Passaic. $150,000.

N. J., Rutherford — APARTMENT—See "Contracts Awarded."

N. J., Union City—BANK and OFFICE —W. Newman, archt., 40 Journal Sq., Jersey City, bids about Mar. 1, general contract 2 story, basement, 50 x 100 ft., brick, steel, 15th St. and Summit Ave., for North Hudson Natl. Bank. Est. $175,000. F. Hensel, 254 Summit Ave., Jersey City, assoc. archt. Noted Dec. 6.

Pa., Phila. — APARTMENT — S. Haas, Land Title Bldg., taking sub-bids 4 story, basement, 70 x 140 ft., concrete, brick, steel, plain found., 423 West Chelten Ave. $275,000. J. E. Fieldstein, Otis Bldg., archt.

Pa., Reading—HOTEL—Sharp & Meyer, 22 North 5th St., bids about Jan. 15, 16 story, basement, rein.-con., brick, steel, plain found., 5th and Washington Sts. W. L. Stoddard, 51 East 41st St., New York, archt. Noted Nov. 1.

D. C., Wash.—TEMPLE—Almas Temple Ancient Arabic Order of Nobles of Mystic Shrine, 1311 K St., bids about Jan. 1, general contract temple, 1313 K St. N. W. $200,000. A. H. Potts, Albee Bldg., archt. Noted Nov. 15.

Va., Richmond—OFFICE—Chesapeake & Potomac Telephone Co., 7th and Grace Sts., bids about Jan. 1, 7 story annex. $1,000,000. Voorhees, Gmelin & Walker, 101 Park Ave., New York, archts.

Ga., Atlanta—OFFICE—Singer Sewing Machine Co., Real Estate Dpt., 149 Bway., New York, bids about Jan. 2, 3 story, basement, rein.-con., brick, Peachtree St. $150,000. Hentz Adler & Shultz, Candler Bldg., archts.

O., Cleveland Heights (mail Cleveland)—APARTMENT—H. Woronkoff, 3606 East 146th St., Cleveland, taking bids 4 story, 72 x 76 ft., brick, steel, Yorkshire Rd. $150,000. A. Wasserstrom, Auditorium Garage Bldg., Cleveland, archt.

Mich., Detroit — APARTMENT — C. N. Agree, archt., 1140 Book Tower Bldg., taking bids 3 story, basement, rein.-con., brick, steel, stone, plain found., Dexter Blvd., for J. Berman, 1317 Dime Bank Bldg. $200,000.

Ill., Chicago — APARTMENT — H. G. Holsman, archt., 307 North Michigan Ave., taking bids 13 story, basement, 50 x 50 ft., rein.-con., brick, stone, 1321 East 56th St., for Syndicate, c/o architect. $400,000.

Ill., Chicago — HOSPITAL — Coolidge & Hodgdon, archts., 134 South La Salle St., bids about Dec. 24, 6 story, 100 x 150 ft., rein.-con., brick, stone, plain found., 57th St. and Drexel Ave., for University of Chicago, 189 West Madison St. $500,000. Noted Nov. 8.

Ill., Chicago — HOSPITAL — J. W. McCarthy, archt., 139 North Clark St., taking bids 5 story, basement, rein.-con., brick, stone, 93rd St. and California Ave., for Little Company of Mary, 4130 Indiana Ave. $1,000,000.

Ill., Chicago — HOTEL — A. A. Klein & Co., 77 West Washington St., taking bids 6 story, 81 x 117 ft., brick, terra cotta, 1519-25 Warren Ave. $450,000. R. A. Comm, 20 West Jackson Blvd., archt.

Ill., Chicago—OFFICE—A. S. Alschuler, Inc., archts., 28 East Jackson Blvd., taking bids 5 story top addition, Van Buren and La Salle Sts., for Utilities Building Corp., 327 South La Salle St. $500,000.

Minn., Minneapolis—BANK, DEPARTMENT STORE, OFFICE—Jan. 3, by Northwestern Natl. Bank Building Co. (Northwestern Natl. Bank, Marquette Ave., and L. S. Donaldson Co., 6th St. and Nicollet Ave.), H. B. Waite, chn. building comn., Frontinac Bldg., 16 story, basement, 132 x 330 ft., rein.-con., brick, steel, Marquette Ave. between 6th and 7th Sts. $4,000,000. Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., archts. Noted Nov. 1.

Mo., St. Louis — APARTMENT — See "Contracts Awarded."

Mo., St. Louis—BANK—Nolte & Nauman, archts., 614 Fullerton Bldg., bids about Jan. 10, 1 and 2 story, basement, 150 x 150 ft., rein.-con., brick, stone, Natural Bridge and Newstead Aves., for Natural Bridge Bank, Natural Bridge and Newstead Aves. $200,000.

Mo., St. Louis—COMMERCIAL—Harry Newman, Inc., H. Newman, pres., 4515 South Kingshighway, bids about Feb. 14, 2 story, basement, rein.-con., brick, stone, terra cotta, Kingshighway and Bancroft St. $250,000. Engineer and architect not selected.

Tex., San Antonio — APARTMENT — E. Dittmar Impvt. Co., 505 Howard St., taking bids superstructure 10 story, basement, brick, steel, terra cotta, Laurel and West Cypress Sts. M. I. Diver, Calcasieu Bldg., engr. R. Vanderstratted, Travis Bldg., and Herff & Jones, San Antonio Loan Trust Co. Bldg., archts. Noted Sept. 20.

Tex., Temple—CITY HALL—City, c/o G. E. Byars, city mgr., City Hall, taking bids 3 story, part basement, 110 x 130 ft., brick, rein.-con., plain found. $125,000-$150,000. Noted Nov. 29.

Wash., Seattle—COUNTY-CITY—Jan. 10, by Comrs. King Co., 5 story fireproof addition, 3rd Ave. and St. James St., for City and King Co. $2,210,000. H. Bittman Securities Bldg., J. L. McCauley, Alaska Bldg., archts. Noted May 3.

Wash., Seattle — OFFICE — United Exchange Building, Inc., Railway Exch. Bldg., bids about Feb. 1, 18 story, Marion St., 1st and 2nd Aves. $3,500,000. J. Graham, Dexter Horton Bldg., engr. and archt.

Calif., Glendale — APARTMENT — See "Proposed Work."

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Calif., San Francisco — AMERICAN LEGION MEMORIAL—San Francisco War Memorial Com., 140 Montgomery St., bids about Jan. 5, brick, terra cotta, Van Ness Ave., for City and San Francisco County. $2,000,000.

Contracts Awarded

Massachusetts — EXCHANGES — New England Telephone & Telegraph Co., State St., Boston, 1 and 2 story, brick, plain founds., one each in Nantucket and Vineyard Haven, to Sawyer Constr. Co., 16 Arlington St., Boston. Est. $150,000.

Mass., Allston (sta. Boston) — APARTMENT — I. Zieman, 333 Washington St., Boston, 3 story, basement, brick, stone, plain found., Allston St. corner York St., separate contracts. $175,000. Silverman & Brown, 51 Cornhill, Boston, archts.

Mass., Andover—SOCIETY—A. G. C. Society, Phillips Andover Academy, 3 story, basement, brick, plain found., College Ground, to Lowell-Whipple Co., 44 Portland St., Worcester. Est. $150,000.

Mass., Roxbury (sta. Boston)—APARTMENTS—C. & S. Investment Co., 310 Harvard St., Brookline, 8 units, each 3 story, basement, 3,500 sq.ft. floor space, brick, stone, plain founds., Maple St., separate contracts. $500,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Roxbury (sta. Boston)—APARTMENT—Owner, c/o M. Louis, archt., 73 Cornhill, Boston, 3 story, basement, 80 x 240 ft., brick, stone, plain found., Seaver St. corner Maple St., separate contracts. $400,000.

Mass., Roxbury (sta. Boston)—APARTMENTS—L. Zieman, 167 Homestead St., Roxbury, 2 units, 3 story, basement, brick, stone, plain founds., Walnut Park separate contracts. $150,000. Silverman & Brown, 51 Cornhill, Boston, archts.

N. Y., Albany—STATE OFFICE—A. E. Smith, governor and chn. State Building & Site Comn., Capitol, general contract completing 33 story, state office building, to

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Buildings—Commercial (Continued)

Seglin-Harrison Constr. Co., Walbridge Bldg., Buffalo, $1,083,276; heating, to Power Efficiency Corp., 137 Arthur St., Buffalo, $254,268; sanitary work, to T. O'Brien, 6311 5th Ave., Brooklyn, $207,988; electrical work, to W. H. Taverner Corp., 175 5th Ave., New York, $320,000; vault work, to Diebolt Safe & Lock Co., 372 Bway., New York, $125,484. Grand total $1,991,016. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—C. Cassio & Co., 2106 77th St., 4 story, 90 x 100 ft., brick, timber, separate contracts. $150,000. J. Lubroth, 44 Court St., archt. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — Corporation, c/o M. Goldberg, 16 Court St., 6 story, 87 x 120 ft., brick, timber, to Drapkin & Goldberg Constr. Co., 16 Court St. Est. $200,000. Contractor taking bids on separate contracts. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — S. Funt, 1515 West 1st St., 4 story, 88 x 120 ft., brick, timber, separate contracts. $150,000. M. Rothstein, 186 Joralemon St., archt. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—Leuzzi Holding Corp., 659 Bay Ridge Ave., 5 story, 85 x 113 ft., brick, timber, separate contracts. $165,000. A. J. Simberg, 1133 Bway., New York, archt. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—Murray-Allen Realty Corp., R. R. Danzilo, pres., 50 Court St., 6 story, 100 x 100 ft., brick, timber, separate contracts. $200,000. S. L. Malkind, 93 Court St., archt. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — C. Resnikoff, 6820 19th Ave., 4 story, 64 x 94 ft., brick, timber, separate contracts. $150,000. S. C. Rice, 316 West 56th St., New York, archt. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—Samfield Holding Corp., 1355 Ocean Parkway, 6 story, 90 x 100 ft., brick, timber, separate contracts. $200,000. Noted Dec. 6.

N. Y., Brooklyn — APARTMENT — J. Siegel, 285 Buffalo Ave., 6 story, 87 x 95 ft., brick, timber, separate contracts. $230,000. E. M. Adelsohn, 26 Court St., archt. Noted Dec. 6.

N. Y., Brooklyn—APARTMENT—Weiss Bros., 350 Stone Ave., 6 story, 100 x 107 ft., brick, steel, separate contracts. $215,000. Cohn Bros., 361 Stone Ave., archt. Noted Dec. 6.

N. Y., Flushing — APARTMENT — J. Kohneisio, 22 Bella Pl., Maspeth, 4 story, 93 x 104 ft., brick, timber, separate contracts. $200,000. McManus & Griffith, 11 East 42nd St., New York, archts. Noted Dec. 6.

N. Y., Hollis (br. Jamaica) — APARTMENT — Rodman & English, apartment, 200th St. and 114th Ave., separate contracts. $150,000. Private plans.

N. Y., Jamaica—APARTMENT—Woodhaven Housing Corp., 90-32 Sutphin Blvd., apartment, 84th St. and 134th Ave., separate contracts. $250,000. Private plans.

N. Y., Long Island City—APARTMENT—Sixty-One Sanford Avenue Corp., 103 Park Ave., New York, 6 story, 90 x 120 ft., brick, timber, separate contracts. $210,000. W. A. Creamer, Bible House, New York, archts. Noted Dec. 6.

N. Y., Long Island City—APARTMENTS—V. Coronoto, 31-13 21st St., two 4 story, one 50 x 88 ft., other 75 x 90 ft. apartments, separate contracts. $150,000. V. Schiller, 30-64 41st St., Astoria, archt. Noted Dec. 6.

N. Y., New York — APARTMENT — B. Berkowitz, 3150 Rochambeau Ave., 6 story, 75 x 103 ft. apartment, Park View and Morris Park Aves., separate contracts. $200,000. G. Meisner, 4197 Park Ave., archt. Noted Nov. 29.

N. Y., New York — APARTMENT — Ciluzzi Realty Co., R. Ciluzzi, pres., 200 West 72nd St., 6 story, brick, timber, 22 Northern Ave., separate contracts. $225,000. G. F. Pelham, 570 7th Ave., archt. Noted Dec. 6.

N. Y., New York—APARTMENT—Corporation, c/o H. Cohn, 221 West 82nd St., 6 story, 90 x 100 ft., brick, timber, Spofford Ave. and Tiffany St., to Cohn Bros. Contg. Corp., 221 West 82nd St. Est. $185,000. Noted Nov. 29.

N. Y., New York—APARTMENT—Corporation, c/o H. Lebow, 1 Audubon Ave., 5 story, 80 x 100 ft., brick, timber, 168th St. and Audubon Ave., to Kennilworth Contg. Co., 1 Audubon Ave. Est. $225,000. Noted Dec. 6.

N. Y., New York—APARTMENT—Four Hundred Fifty-Three West 34th Street Corp., M. Schroeder, pres., 420 Lexington Ave., 16 story, brick, steel, 455 West 34th St., separate contracts. $400,000. W. L. Rouse, 512 5th Ave., archt. Noted Nov. 27.

N. Y., New York—APARTMENT—Jaymars Realty Corp., A. Tomback, pres., 209 West 145th St., 6 story, brick, timber, 208 West 151st St., separate contracts, $225,000. Lang & Rosenberg, 1440 Bway., archts. Noted Nov. 29.

N. Y., New York — APARTMENT — Kaurander Realty Corp., 366 5th Ave., 15 story, 94 x 102 ft. apartment, 25 West 86th St., separate contracts. $700,000. M. Courland, 366 5th Ave., archt. Noted Nov. 22.

N. Y., New York — APARTMENT — J. Meyer, 308 Rivington St., 6 story, brick, steel, to Meyer Constr. Corp., 308 Rivington St. Est. $300,000. Noted Nov. 29.

N. Y., New York — APARTMENT — One Hundred Fifty-Five East 52nd Street Corp., S. Polski, pres., 343 Lexington Ave., 9 story apartment, separate contracts. $500,000. J. M. Felson, 250 West 57th St., archt. Noted Nov. 29.

N. Y., New York — APARTMENT — D. School, 515 Courtlandt Ave., 5 story, 87 x 100 ft., brick, timber, separate contracts. $160,000. C. Kreymborg, 2534 Marion Ave., archt. Noted Nov. 29.

N. Y., New York — APARTMENT — Thirty-One MacDougal Street Corp., N. J. Rosenberg, pres., 11 East 44th St., 6 story, 35 x 75 ft., brick, timber, separate contracts. $150,000. J. B. Peterkin, 285 Madison Ave., archt. Noted Dec. 6.

N. Y., New York—APARTMENT—Three Hundred Twenty-Seven Central Park West Corp., 55 West 42nd St., 16 story, 75 x 150 ft., brick, steel, 327 Central Park Ave., to N. Korn, 55 West 42nd St. Est. $700,000. Contractor taking bids on separate contracts. Noted Dec. 6.

N. Y., New York—APARTMENT—Watben Realty Co., S. Rubin, pres., 391 East 149th St., apartment, Tremont and Daily Aves., separate contracts, $235,000. L. Pisciotta, 1912 Arthur Ave., archt.

N. Y., New York—APARTMENTS—Ben Gold Homes, Inc., 1719 St. Peters Ave., two 6 story, 91 x 99 ft. apartments, Haviland and Olmstead Aves., separate contracts. $300,000. S. J. Kessler, 332 East 149th St., archt. Noted Nov. 29.

N. Y., New York—STOCK and SHOWROOMS, OFFICE—Heights Property Corp., S. Herowitt, pres., 353 Fort Washington Ave., stockroom, and showroom and office building, 657 West 182nd St., separate contracts. $150,000. C. Kreymborg & Son, 2534 Marion Ave., archt.

N. Y., New York—STORE and APARTMENT — Corporation, c/o A. Rosenstock, 1315 Westchester Ave., store and apartment, Croes and Watson Aves., to Fanstock Constr. Corp., 1315 Westchester Ave. Est. $150,000. Contractor taking bids on separate contracts. Noted Nov. 29.

N. Y., Richmond Hill (Ind. br. Jamaica) —APARTMENT—L. Shaffer, 26 Court St., brick, timber, separate contracts. $350,000. Seelig & Finkelstein, 66 Court St., Brooklyn, archts. Noted Dec. 6.

N. J., Newark—ARENA—Newark Garden Corp., J. Wallen, pres., 111 Bway., New York, general contract 1 story, basement, 250 x 322 ft., rein.-con., brick, steel, plain found., 540-54 Odgen St., to Blumenthal Associates, 55 West 42nd St., New York. Est. $1,507,000. Former contract rescinded. Noted Nov. 17.

N. J., Paterson—OFFICE—Northern New Jersey Realty Co., J. E. Glassen, pres., 155 Ellison St., general contract 4 story, basement brick, steel, rein.-con., plain found., Market St., to F. G. Pettet Constr. Co., 9 Colt St. Est. $150,000.

N. J., Rutherford — APARTMENT — Bergen Natl. Constr. Co., 68 Orient Way, 5 story, basement, 75 x 125 ft., brick, steel, plain found., separate contracts. $180,000. Private plans. Noted Dec. 13.

N. J., Woodbury—APARTMENT—Evergreen Apartments, Inc., Land Title Trust Bldg., Phila., Pa., 4 story, basement, 44 x 115 ft., 42 x 86 ft., and 58 x 62 ft., brick, steel, plain found., to Nelson-Pedley Co., Corn Exch. Bldg., Phila., Pa. Est. $300,000. Noted Nov. 15.

Pa., Media—APARTMENT—H. Drayman, 3 story, basement, 54 x 127 ft., brick, steel, plain found., State St., to A. G. Morrison, Ardmore. Est. $150,000. Noted July 28, 1927.

Pa., Norristown—COURT HOUSE—W. C. Irwin, controller Montgomery Co., Court House, general contract altering and constructing 6 story, basement, rein.-con., limestone, steel addition, to H. E. Baton, 7113 Sansom St., Phila., $713,200; heating and ventilating also plumbing, to S. Farth Co., 2427 Penna Ave., $76,547 and $49,500 respectively. Grand total $839,247. Noted Oct. 25.

Pa., Phila.—APARTMENT—F. Stroglia, 5245 Whitby Ave., 4 story, basement, 214 x 216 ft., rein.-con., brick, plain found., Manheim and Wissahickin Aves. Owner builds. H. H. Kline, 709 Chestnut St., archt.

Md., Baltimore — HOSPITAL — J. E Sperry, archt., Calvert Bldg., 3 story, irregular shaped, brick, steel boiler room and laundry, to Frainie Bros. & Haigley, 15 West Franklin St., for Hospital for Women of Maryland, Lafayette and John Sts. Noted Nov. 15.

Ala., Mobile — OFFICE — Merchants Securities Corp., St. Francis St., 18 story, 75 x 125 ft., brick, steel, limestone, granite, rein.-con., concrete found., to Smallman Constr. Co., 1109 5th Ave., Birmingham, $800,000. Noted Nov. 1.

O., Cleveland — APARTMENT — S. A. Adams, Swetland Bldg., masonry contract 4 story, 40 x 120 ft., brick, to Tepper & Lissowitz, 3616 East 146th St. Est. $150,000. Noted Nov. 22.

Ill., Chicago—ARMORY—Perkins, Chatten & Hammond, archts., 160 North La Salle St., general contract 2 story armory, incl. 224 x 352 ft. drill hall, 131 x 237 ft. stables, to Great Lakes Constr. Co., 30 South Wabash Ave., for State of Illinois, Springfield, and One Hundred and Twenty Fourth Field Artillery, 3401 Westworth Ave., Chicago. Est. $500,000. Noted Oct. 11.

Ill., Chicago—STORE—Mundie & Jensen, archts., 39 South La Salle St., general contract 6 story, basement, 45 x 120 ft., brick, to Starrett Building Co., 8 South Dearborn St., for Midwest Apparel Co., 39 South La Salle St. Est. $600,000. Noted Nov. 1.

Mo., St. Louis — APARTMENT — Jacob Rubin & Sons, 904 Chestnut St., 3 story, basement, rein.-con., brick, stone, terra cotta, 3 units, 24 apartments each, Clayton Ave. near Skinker Ave., own forces. $250,000.

Mo., St. Louis — APARTMENT — H. Mayer, 3617 South Grand Blvd., 10 story, basement, 132 x 139 ft., rein.-con., brick, stone, terra cotta, Magnolia and Lawrence Sts., own forces. $750,000.

Mo., St. Louis — APARTMENT — Park Plaza Building Corp., c/o Koplar Co., 265 Union Blvd., 28 story, 2 basement, 200 x 216 ft., rein.-con., brick, stone, granite, steel, terra cotta, Kingshighway and Maryland Ave., separate contracts. $5,000,000. Brussel & Viterbo, Arcade Bldg., engrs. L. O. Schopp & E. J. Banman, 114 North 7th St., archts.

Tex., San Antonio — APARTMENT — J. Morris, 811 Brady Bldg., 3 story, 52 x 150 ft., rein.-con., brick, plain found., Bway. and Post St. $150,000. Owner builds. Owner taking sub-bids excavation, concrete foundation, steel, brick work, plumbing, refrigeration, heating, etc. A. Miller, 925 Fredericksburg Rd., archt.

Wash., Seattle—OFFICE, STORE, GARAGE—Forty-Fifth & Brooklyn Corp., 7 story, basement, fireproof office and store, incl. garage in basement, 45th and Brooklyn Sts., to C. F. Martin, Seaboard Bldg., $400,000.

Calif., Glendale—APARTMENT—W. R. Easterday, c/o E. O. Grymes, archt., 2157 Marathon St., Los Angeles, 8 story, basement, 150 x 175 ft., steel, brick apartment. Work will be done under supervision of architect on sub-contract system.

Calif., Los Angeles — APARTMENT — Hope Street Associates, Inc., 6 story, basement, 50 x 185 ft., rein.-con., South Hope St., to G. G. Stuart, 5119 Avalon Blvd., $175,000.

Calif., Marysville—MAUSOLEUM—Amer. Mausoleum Co., c/o L. C. Petersen, archt., California State Life Bldg., Sacramento, rein.-con., marble, bronze mausoleum, to McGillivary Constr. Co., 65th Ave. and Folsom Blvd., Sacramento, $200,000.

Calif., San Francisco—APARTMENT—O. E. Anderson, 483 15th Ave., 5 story, basement, steel, concrete, day labor. $150,000. Irvine & Ebbets, Call Bldg., archts. Noted Nov. 1.

B. C., Victoria—HOTEL—Canadian Pacific Ry., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., rein.-con., brick, stone addition to Empress Hotel, Douglas St., to Carter, Halls-Aldinger Co. Ltd., 500 Beatty St., Vancouver, $1,000,000.

Buildings—Educational, Religious

Proposed Work

Mass., Barnstable—SCHOOL—Town, S. F. Scudder, chn. building com., sketches by Haynes & Mason, 288 Main St., 2 story, basement, brick addition, incl. gymnasium, plain found. $175,000-$200,000. Noted Aug. 9.

Mass., Cambridge (br. Boston)—DORMITORY and DINING HALL—Harvard College 3 story, basement, brick, stone, plain found., College Grounds. $300,000. Engineer and architect not selected.

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Buildings—Educational, Religious (Cont.)

Mass., Northampton — SCHOOL — Clark School for Deaf, 46 Round Hill, brick, steel school. $150,000 or more. Engineer and architect not selected.

Mass., Springfield—CHURCH—Episcopal Society, T. Davies, bishop, 37 Chestnut St., brick, stone, in East Springfield. $200,000. Engineer and architect not selected.

Mass., West Roxbury (sta. Boston) — CHURCH—St. Theresa's Roman Catholic Church, F. W. Lyons, pastor, Centre St., sketches by Maginnis & Walsh, Statler Bldg., Boston, 1 story, basement, 150 x 185 ft., brick, granite, plain found., Centre and Cottage Sts. $250,000. Noted Oct. 25.

R. I., Newport—CHURCH—A. J. Murphy, archt., 25 Fenner St., Providence, soon lets contract 1 story, basement, brick stone, plain found., Vernon St. and Bway., for Portuguese Roman Catholic Church, W. A. Hickey, pastor. $150,000. Noted Sept. 20.

Conn., West Hartford (br. Hartford)—SYNAGOGUE—Beth Israel Congregation, 21 Charter Oak Ave., Hartford, soon lets contract 2 story, basement, brick, stone, Farmington Ave. $200,000. C. R. Greco, 11 Beacon St., Boston, Mass., archt. Noted Dec. 6.

N. Y., Buffalo—SCHOOL—Academy of Sacred Heart plans by Bley & Lyman, archts., 505 Delaware Ave., 70 x 285 ft., brick, stone, Maynard Dr. and Eggert Rd. $200,000.

N. Y., New York—HOME for AGED—Home for Old Men and Aged Couples, J. G. Jackson, in charge, 112th St. and Amsterdam Ave., soon lets contract home, 112th St. and Amsterdam Ave. E. Keblon, 522 5th Ave., archt.

N. Y., New York—MUSEUM—Museum of City of New York, plans by J. H. Freedlander, 681 5th Ave., 5 story, 150 x 193 ft. museum, 1220 5th Ave. $1,000,000. Noted Apr. 12.

N. J., Caldwell — HIGH SCHOOL — Bd. Educ., Boro Hall, plans by Guilbert & Betelle, 20 Branford Pl., Newark, 2 story, basement, rein.-con., brick, steel, plain found. $150,000. Noted Dec. 6.

N. J., Closter—SCHOOL—Bd. Educ., Main St., plans by Lee & Hewitt, 152 Market St., Paterson, 2 story, basement, brick, steel, rein.-con., plain found., Main and High Sts. $265,000. Noted Dec. 13.

N. J., Hackensack—SCHOOL—Bd. Educ., 355 State St., 2 story, basement, brick, steel, plain found., Union St. $150,000. Engineer and architect not selected.

N. J., Middletown—SCHOOL—Bd. Educ., W. M. Petingdale, dist. clk., 2 story, basement, brick, steel, plain found. $150,000.

N. J., Newark—MUSEUM—New Jersey Historical Society, West Park St., sketches by J. H. and W. C. Ely, 605 Broad St., 3 story, basement, 118 x 120 ft., rein.-con., brick, steel, plain found., Bway. and Taylor Sts. $300,000. Noted Dec. 13.

Md., Baltimore — PHYSIOLOGY — Johns Hopkins University, Wolfe and Monument Sts., soon lets contract 6 story, basement, 71 x 96 ft., rein.-con., brick, steel addition, Wolfe and Monument Sts. Former bids rejected. Van Rensselaer Saxe, Knickerbocker Bldg., engrs. Allen & Allen, 1 East Lexington St., archts. Noted Dec. 13.

D. C., Wash.—GYMNASIUM and ASSEMBLY HALL—District Comrs., District Bldg., revised plans gymnasium and assembly hall for Takoma School. Former bids rejected. Noted Nov. 1.

Ky., Covington — GYMNASIUM — See "Unclassified."

Ky., Louisville — HIGH SCHOOL — Bd. Educ., 8th and Chestnut Sts., plans by T. M. Cooley, c/o owner, boys high school, on 420 x 900 ft. site, 1st, 2nd, Lee and Avery Sts.

Ind., Laketon—SCHOOL—School Trustees L. Hill, trustee, plans by E. H. Brown, 309 1st Natl. Bank Bldg., Fort Wayne, 2 story, basement, 100 x 100 ft., brick, steel grade and high school in Pleasant Twp. $150,000.

Mich., Fordson (br. Detroit)—SCHOOL—Bd. Educ. plans by Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, and soon take bids 3 story, basement, rein.-con., brick, steel, stone, plain found. $350,000. Noted Nov. 29.

Mich., Muskegon—SCHOOL—Bd. Educ., L. L. Taylor, supt., 2 story, basement, concrete, brick, steel, stone, plain found., West Park St. $150,000. Engineer and architect not selected.

Ill., Chicago — COLLEGE — Catholic Bishop of Chicago, 719 Cass St., plans by J. W. McCarthy, 139 North Clark St., 16 story, basement, on 100 x 252 ft. site, Sheridan Rd. near Devon Ave. $1,000,000.

Ill., Rockford—SCHOOL—Bd. Educ., E. J. Allen, pres., 615 South 4th St., soon takes bids 2 story, 97 x 211 ft., rein.-con., brick, stone school, incl. gymnasium, auditorium, Huffman and Custer Aves. $240,000. Peterson & Johnson, Swedish-American Bank Bldg., archts.

Mo., Columbia—UNIVERSITY—University of Missouri, S. D. Brooks, pres., plans by Jamieson & Spearl, Arcade Bldg., St. Louis, rein.-con., brick, stone auditorium building $1,000,000; library addition $301,000; building for extension division $125,000; agricultural engineering building $100,000; dairy building and equipment $275,000; education building $300,000; engineering building $250,000; geology building $150,000; nurses home $100,000.

Mo., St. Louis—CHURCH—Advent Evangelical Lutheran Church, c/o F. H. Reininga, 3523A South Grand Blvd., sketches by O. D. Schmidt, 3729 Humphrey St., 2 story, basement church. $150,000.

Okla., Alva—DORMITORY—State Bd. Affairs, Capitol, Oklahoma City, sketches by J. Hicks, 145 East 14th St., Oklahoma City, rein.-con., brick, plain found., on campus, for Northwestern State Normal School. $175,000.

Okla., Alva—SCHOOL—State Board Affairs, Capitol Oklahoma City, sketches by J. Hicks, 145 East 14th St., Oklahoma City, rein.-con., brick, plain found., on campus, for Northwestern State Normal School. $150,000.

Okla., Chickasha—DORMITORY—State Bd. of Affairs, Capitol, Oklahoma City, sketches rein.-con., brick dormitory on campus, for Oklahoma College for Women. $150,000. Engineer and architect not selected.

Okla., Chickasha—LIBRARY—Bd. of Affairs, Oklahoma City, sketches 3 story, rein.-con., brick, timber, plain found., on campus, for Oklahoma College for Women. $150,000. Engineer and architect not selected.

Okla., Chickasha — SCHOOL — Bd. of Affairs, Capitol, Oklahoma City, sketches rein.-con., brick home economics building plain found., campus, for Oklahoma College for Women. $150,000. Engineer and architect not selected.

Okla., Layton—SCHOOL—State Bd. of Affairs, Capitol, Oklahoma City, sketches 3 story, rein.-con., brick, plain found., for Cameron School of Agriculture. $150,000.

Colo., Colorado Springs — CHURCH — First Christian Church, T. H. Mathiesen, pastor, plans by T. I. MacLaren, Colorado Springs Natl. Bank Bldg., 1,000 seating capacity, concrete, brick, steel, stone, Cascade and Platte Aves. $150,000.

Calif., Fresno—CHURCH—First Presbyterian Church, fireproof, Calaveras and M Sts. $150,000.

Calif., San Francisco—HIGH SCHOOL—City and San Francisco Co. plans by Miller & Pflueger, 580 Market St., Jr. High School, 3 story, brick, rein.-con., Arguello Blvd. $400,000.

Calif., Los Angeles—COLLEGE—Mt. St. Mary's College, 3300 West Slausson Ave., fireproof, Bel-Air Dist. $1,000,000. Engineer and architect not selected.

Que., Westmount — CHURCH — United Church of Canada, Westmount Park, Melville Congregation, M. C. Clarke, pastor, steel, stone church. $199,000.

Ont., Dundas—HIGH SCHOOL—School Bd. plans by W. J. Walsh, Terminal Bldg., Hamilton, 2 or 3 story, basement, rein.-con., brick, steel, plain found. $150,000. Noted Nov. 22.

Ont., Kingston—TECHNICAL SCHOOL—Bd. Educ., 3 story, basement, concrete, brick, stone, steel. $250,000. Engineer and architect not selected.

Ont., Oshawa—TECHNICAL SCHOOL—Bd. Educ. soon takes bids 2 story, basement, rein.-con., brick, steel addition, plain found., incl. 22 rooms. $200,000. S. B. Coon & Sons, 4 St. Thomas St., Toronto, archts. Noted Nov. 8.

Ont., Toronto — COLLEGE and RESIDENCE—Victoria College, new college and students residence. $1,500,000.

Ont., Toronto—HIGH SCHOOL—School Bd., 40 Jarvis St., plans by Smith & Wright, 2338 Dundas St., 2 or 3 story, basement, rein.-con., brick, steel, plain found., Keele St. and Eglinton Ave. $150,000.

Ont., Windsor—SYNAGOGUE—Hebrew Congregation, J. Gelber of Gelber Furniture Co., chn., Pitt St., brick, steel, stone, Giles Blvd. $150,000. Engineer and architect not selected.

Sask., Regina—COLLEGE—St. Chad's College (Anglican Theological College), new building. $500,000.

Bids Asked

Mass., Brookline (br. Boston) — SCHOOL—Dec. 26, by Town and Little & Russell, archts., 20 Newbury St., Boston, 2 story, basement, brick, stone addition to Driscoll School, plain found., 64 Westborn Terrace. $180,000.

R. I., Little Compton — SCHOOL — Dec. 22 (extended date), by Town, J. W. Coombs, supt. Schools or E. M. Corbett, 70 Bedford St., archt., Fall River, 2 story, basement, brick, stone, plain found. $150,000. Noted Oct. 25.

N. Y., Buffalo—SCHOOL—Jan. 10, by Bd. Educ., 900 Genesee Bldg., Burgard Vocational School, Kensington Ave. near Fillmore St. E. Crimi, Genesee Bldg., city archt.

N. Y., Industry—SCHOOL—Jan. 31, by Superintendent Standards & Purchase, Capitol, Albany, school, for State Agricultural and Industrial School. Noted July 12.

N. J., Dunellen—SCHOOL—Bd. Educ., Old New Market Rd., bids about Jan. 15, 3 story, basement, 90 x 160 ft., brick, steel, rein.-con., plain found., 1st St. and Lincoln Ave. $200,000. Poggi & Bragdon, 275 Morris Ave., Elizabeth, and A. M. Korff, 203 Park Ave., Plainfield, assoc. archts. Noted Nov. 1.

N. J., Jersey City—PARISH HOUSE—Flagg & Stades, archts., 665 Newark Ave., bids about Jan. 15, general contract 3 story, basement, 50 x 115 ft., brick, steel, plain found., North St. and Summit Ave., for St. John's Lutheran Church, J. Kirsch, pastor, 153 North St. $150,000. Noted Nov. 1.

D. C., Wash. — MEDICAL — G. A. Didden, archt., Bond Bldg., taking bids general contract Medical School Building, for Georgetown University. $1,000,000. Noted Oct. 25.

Ind., Muncie — CHURCH and SUNDAY SCHOOL—Jan. 15, by Methodist Church, 3 story, 125 x 165 ft., brick, steel, stone, High and Adams Sts. $250,000. Houck-Smenner, 108 East Washington St., archts.

Ind., South Bend—SCHOOL—Jan. 11, by School Comrs., 2 story, basement, rein.-con., brick, stone, Main St. and Lafayette Blvd. $300,000. Austin & Shambleau, 111 North Lafayette Ave., archts. Noted July 19.

Ind., Southport—HIGH SCHOOL—Dec. 26, by School Comrs. Marion Co. (Indianapolis), C. S. Pollard, trustee, 4691 Madison Ave., Indianapolis, brick, steel, stone, incl. auditorium, gymnasium. $175,000. McGuire & Shook, 941 North Meridian St., Indianapolis, archts. Noted Sept. 20.

Mo., Clayton—SCHOOL—Mary Institute, Lake and Waterman Aves., St. Louis, bids about Jan. 5, 2 story, basement, rein.-con., brick, stone, Warson and Ladue Rds. $500,000. Study & Farrar, 1363 Arcade Bldg., St. Louis, archts.

Ark., Pine Bluff—SCHOOL—Jan. 10, by Bd. Trustees, Agricultural, Mechanical and Normal School, J. P. Womack, supt., new buildings. $400,000.

Wash., Seattle—CHURCH—A. H. Albertson, archt., Henry Bldg., bids about Jan. 10, 3 story, church, incl. auditorium, school library and gymnasium, West 65th St. and 23rd Ave. N.W., for Trinity Methodist Episcopal Church. $200,000.

Contracts Awarded

Mass., Brookline (br. Boston)—SCHOOL—Congregation Kehillath Israel, L. M. Epstein, rabbi, 384 Harvard St., 2 story, basement, brick, stone, plain found., to B. Steinberg, 6 Beacon St., Boston. Est. $150,000. Noted Nov. 22.

R. I., Providence—CONVENT—Franciscan Missionary of Mary, c/o J. F. Hogan, archt., Grosvenor Bldg., altering and constructing 1 and 2 story, basement, brick, addition, to O. and S. Lavigne, Weybosset St. Est. $150,000 or more. Noted Oct. 4.

Conn., New Britain—HIGH SCHOOL—J. M. Halloran, chn. School Comn., 4 story, brick, steel, 150 x 190 ft. high school, to Hayes Constr. Co., 9 Court St., $405,000. Noted July 5.

N. Y., Syracuse — CHAPEL — Syracuse University, C. W. Flint, city chancellor, Hendricks Memorial Chapel, to A. E. Stephens Co., 145 State St., Springfield, Mass. Est. $500,000. Noted Nov. 15.

N. J., Highlands—SCHOOL—Bd. Educ., 2 story, basement, brick, steel, plain found., Navesink, Water Witch and Linden Aves. $165,000.

D. C., Wash.—SCHOOL, CONVENT and COMMUNITY CENTER—Owner, c/o B. F. Moore, archt., Colorado Bldg., general contract school, convent and community center, 1900 Block 15 N.W., to M. A. Long Co., Long Bldg., Baltimore. Est. $400,000. Contractor taking tentative bids on separate contracts. Noted Nov. 8.

N. C., Greensboro—HIGH SCHOOL—City School Bd., Junior High School, 3 story, 20 room, brick, Asheboro St., to Angle-Blackford Co., Greensboro, $190,000.

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Buildings—Educational, Religious (Cont.)

Miss., Millsaps (Jackson P. O.) — SCIENCE HALL—Millsaps College, D. M. Key, pres., general contract 3 story, 104 x 160 ft., rein.-con., brick, stone, to I. C. Garber, Medical Bldg., Jackson, $127,500. Plumbing, to Fisher Butler, Jackson; heating, to Paine Heating Co., 127 South State St., Jackson. Noted Nov. 8.

Miss., Starkville — COLLEGE — C. H. Lindsley, archt., Lamar Life Bldg., Jackson, general contract three 3 story, 50 x 190 ft. one 3 story, 50 x 150 ft., rein.-con., brick, tile, terra cotta, to W. J. McGee & Son, Jackson, for Mississippi Agricultural & Technical College, Mississippi State Bldg., Jackson. $305,400. Noted Nov. 1.

Ind., Ft. Wayne — SCHOOL — School Comrs., E. Hoffman, trustee, 2 story, basement, 132 x 132 ft., brick, steel, Wayne Twp., to A. A. Ringwalt, 1231 Nuttman Ave. Est. $150,000.

Mich., Bloomfield Hills (Birmingham P.O.) — CHAPEL and MAUSOLEUM—White Chapel Cemetery Corp., 620 Book Bldg., 3 story, 150 x 365 ft., concrete, stone, steel, plain found., Long Lake Rd., to Otto Misch Co., 159 East Columbia St. Est. $250,000.

Mich., Bloomfield Hills (Birmingham P.O.)—SCHOOL—Christ Episcopal Church, Cranbrook School for Boys, Lone Pine Rd., 2 story, basement, concrete, brick, steel stone addition, plain found., to C. R. Wermuth, Cranbrook Rd. and Lone Pine Rd., Birmingham. Est. $150,000. Noted Dec. 6.

Mich., Detroit — SCHOOL — Bd. Educ., 1354 Bway. Ave., 2 story, basement, 70 x 135 ft., rein.-con., brick, steel, plain found., to R. S. Knapp Co., 15518 Idaho Ave., $106,082; heating, to Card & Dawson, 3922 Garland Ave., $44,987. Noted May 24.

Mich., Detroit—SCHOOL—C. A. Gadd, bus. mgr. Bd. Educ., 3 story, 200 x 380 ft., rein.-con., brick, steel, stone, plain found., to M. A. Mahoney, 439 Penobscot Bldg., $358,000; steam heating, to J. W. Partlan, 14290 Goddard Rd., $105,640. Noted Nov. 22.

Mich., Ypsilanti—LIBRARY—Michigan State Normal, general contract 2 story, basement, 85 x 140 ft., rein.-con., brick, steel, plain found., college grounds, to Standard Constr. Co., Jackson, $169,500. Noted Oct. 25.

Ill., Chicago — SOCIAL SCIENCE — Coolidge & Hodgdon, archts., 134 South La Salle St., general contract 5 story, 60 x 158 ft., brick, stone, to F. H. Stowell Co., 111 West Monroe St., steel, to Mendnagel & Co., 600 West 22nd St., for University of Chicago, 189 West Madison St. Noted Aug. 9.

Ill., Maywood—SCHOOL—Van Gunten & Van Gunten, archts., 26 East Huron St., Chicago, general contract 2 story, basement, brick, stone, for Bd. Educ., to Coath & Goss, 549 West Randolph St., Chicago; heating, to W. B. Graves Heating Co., 162 North Des Plaines St., Chicago; electrical work, to Newgard Co., 549 West Randolph St., Chicago; plumbing, to F. H. Ruhnke, Maywood. Est. $150,000. Noted Nov. 18.

Minn., Brainard—SCHOOL—Bd. Educ., L. F. Hohman, clk., general contract 2 story, basement, rein.-con., brick, stone, to E. Hirt & Son, St. Cloud, $266,765. Est. $450,000. Noted Nov. 15.

Minn., Virginia — HIGH SCHOOL — Bd. Educ., J. E. Hanson, clk., general contract 2 story, basement, 165 x 254 ft., rein.-con., brick Bedford stone, to Dohm Building Co., Kewatin, $334,400. Noted Nov. 22.

Calif., San Francisco—HIGH SCHOOL—Bd. P. Wks., general contract steel, concrete, brick addition to Polytechnic High School, to Mahony Bros., Flood Bldg., for City and San Francisco Co. $121,645. Noted Nov. 8.

Federal Government Work

Proposed Work

Pa., Pittsburgh—LOCK GATE, etc.—U. S. Engineer Office, lock gate and valve operating machinery for Deadman's Island Lock.

D. C., Wash.—ARCHIVES—Treas. Dpt., at office Acting Superv. Archt., tentative sketches by J. A. Wetmore, Treasury Dpt., National Archives Building, Louisiana Ave. N. W., 9th, 10th and C Sts. $8,750,000. Noted Aug. 2.

D. C., Wash. — CHEMISTRY and DORMITORIES — Howard University, Dpt. Interior, plans by A. I. Cassell, c/o owner, chemistry building, 6th St. and Howard Pl. N. W., $250,000; also 4 dormitories.

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D. C., Wash. — NURSES HOME, etc. — Dpt. Interior soon takes bids general contract nurses home addition, employees home addition and power plant addition, for Freedman's Hospital. J. Berrell, Colorado Bldg., archt.

D. C., Wash. — MOTOR GENERATOR SETS—Spec. 5793—Bureau Yards & Docks, Navy Dpt., Wash., D. C., motor generator sets and switchboards at Navy Yards at Puget Sound, Wash., New York, N. Y., and South Boston, Mass.

N. C., Kitty Hawk—MONUMENT, etc.—Quartermaster General, U. S. Army, Wash., D. C., receiving competitive designs until Jan. 31, monument, with tower light and administration building, at Kills Devil Hill, here. Foundations to be constructed by government.

Ga., Savannah—DREDGING—U. S. Engineer Office, 1,523,616 cu.yd. Oyster Bed Island; 323,313 cu.yd. Kings Island, 93,315 cu.yd. Drakies Cut, in Savanah Harbor and Savannah River.

Missouri—PILE DIKES and REVETMENT—U. S. Engineer Office, Kansas City, 12,400 lin.ft. pile clump dikes in Miami Bend, 8,100 lin.ft. Rocheport Reach and Searceys Bend, 4,800 ft.—Little Blue Bend, 5,800 lin.ft.—Rising Creek Bend, 13,750—Burlington and Stanley Bend, 6,400 lin.ft.—Bernheimer Reach, 10,700 lin.ft.—Fishing River and Fire Creek Bend, 4,600 lin.ft.—Brunswick Bend, 8,600 ft.—Herman Reach, 3,700 lin.ft. Sissons Bend, 6,900 lin.ft. clump dikes and 13,500 ft. revetment in Moberly Bend, 3,700 ft. dikes and 4,000 ft. revetment in Sibley Bend, 4,200 ft. dikes and 7,800 ft. revetment in Baltimore Bend.

C. Z., Coco Solo — APARTMENT HOUSES, etc.—Spec. 5742—Bureau Yards & Docks, Navy Dpt., Wash., D. C., 6 apartment buildings on timber piles, and timber piling for barracks and subsistence building, at Naval Air Station.

Bids Asked

R. I., Newport—REPAIRING DERRICK—Spec. 5620—Jan. 2, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Station. Noted Dec. 13.

N. Y., Brooklyn—LUMBER—Jan. 3, by Signal Supply Officer, Sig. Sect. New York General Depot, 58th St. and 1st Ave., Brooklyn, 5,500 ft. white pine, white pine boxes, stencil board, 2 multiple tile duct, etc.

N. Y., St. George—TOWER—Dec. 26, by Superintendent Lighthouses, Staten Island, 23 steel bodies with skeleton lantern tower for various types of gas buoys, all with bottom counterweights, some with bell and some with whistle.

D. C., Wash.—ELEVATORS—Jan. 8, by Treas. Dpt., at office Supervising Archt., Wash., D. C., removing and replacing elevators in U. S. Treas. Building; adv. E.N.-R. Dec. 20.

D. C., Wash.—HOSPITAL—Jan. 10 (extended date), by Constructing Quartermaster, Army Medical Center, isolation ward, laboratory, tuberculosis and observation wards Ward No. 3, altering 3rd floor administration building, baggage and effects building. Noted Nov. 22.

Va., Norfolk — METAL DOORS — Spec. 5785—Jan. 2, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Hospital.

O., Dayton — MAIL PLATFORM and LIFT—Jan. 11, by Treas. Dpt., at office Supervising Archt., Wash., D. C., new mailing platform and lift at U. S. Post Office; adv. E.N.-R. Dec. 20.

O., Wilmington—POST OFFICE — Jan. 17, by Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office; adv. E.N.-R. Dec. 20.

Nevada—RAILROAD—Spec. 5798—Dec. 26, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., 7 mi. railroad at Naval Ammunition Dpt., Hawthorne.

Calif., Oakland — DREDGING — Dec. 28, by U. S. Engineer Office, San Francisco, 476,000 cu.yd. place measurement in Oakland Harbor. Noted Nov. 1.

Calif., San Diego—ELECTRIC BRIDGE CRANE — Spec. 5787 — Jan. 9, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Air Station, Naval Operating Base. Noted Oct. 25.

Bids Received

Va., Yorktown—SPRINKLER SYSTEM—Spec. 5684—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Dec. 12, automatic sprinkler and fire resisting partitions at Naval Mine Depot, from Dominion Automatic Sprinkler Corp., 418 East Main St Richmond, $9,300. Noted Dec. 6.

Fla., Lake City—ALTERATIONS—U. S Veterans' Bureau, Arlington Bldg., Wash D. C., Dec. 11, altering Building 4, U. S Veterans' Hospital, from L. Fleisher Constr. Co., 620 Times Bldg., Crland, Fla $51,434. Noted Nov. 22.

La., New Orleans—EARTHWORK—U. S Engineer Office, Burdettel St. and River Front, Nov. 30, from J. S. Staton, Vidalia 3,200 cu.yd. in Helena-Concordia Levee, a $0.35 per cu.yd., 5,800 cu.yd. Winterquarters Levee, 3,400 cu.yd. Botany Bay Levee 14,000 cu.yd. Fish Pond Levee, 10,390 cu.yd St. Joseph Levee, and 1,300 cu.yd. Ashley-Ardee Levee at $0.41 per cu.yd., all foregoing in Lower Tensas Levee Dist.; from Picard Constr. Co., Hock Bldg., 11,600 cu. yd. Brussley Levee and 11,000 cu.yd. Cassie Levee, $0.24, 16,500 cu.yd. Live Oak-Reliance Levee, $0.31, all foregoing in Atchafalaya Levee Dist. (Front); from Scott & Bros., Maritime Bldg., 45,500 cu.yd. Union Levee, $0.223; from Acme Constr. Co., Pointe-a-la-Hache, 49,000 cu.yd. Hermitage-Diamond Levee Dist. $0.16, 94,500 cu. yd. Union and Hermitage-Diamond Levee Dists. (combination) $0.20. Noted Nov. 22.

Ky., Louisville—WICKET IRONS—U. S Engineer Office, P.O. Box 72, Dec. 4, wickets irons and horses and props for Bebout Weir of Dam 48, Ohio River, from Amer. Car & Fdry. Co., 4th and Missouri Sts., Jeffersonville, Ind., $2,750 and $12,500 respectively, combination $15,015. Noted Nov. 22.

Mich., Camp Custer (br. Battle Creek)—HEADQUARTERS, etc. — Constructing Quartermaster, Nov. 30, four buildings, from H. . Gove Constr. Co., Battle Creek, $14,672 (145 days). Noted Nov. 22.

Mich., Pontiac — REMODELING—Treas. Dpt., at office Supervising Archt., Wash., D. C., post office, from Devault & Deitrick, Canton, O., $155,700. Noted Nov. 15.

California—ROAD—Bureau Pub. Rds., Dpt. Agriculture, Sheldon Bldg., San Francisco, Dec. 6, grading, surfacing 12.36 mi. Paynes Creek-Susanville Rd., from C. R. Johnson, 309 North 14th St., Portland, Ore., $258,953. Est. $249,065. Noted Nov. 29.

Calif., San Diego—ELECTRICAL WORK—Spec. 5659—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Dec. 12, at Naval Air Station, from Globe Electric Wks., 302 6th St., $9,868. Noted Nov. 15.

Contracts Awarded

Mass., Bedford—ACUTE BUILDING—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., acute building, officers duplex quarters and utilities building, to J. S. Greenwood, 260 Tremont St., Boston, $329,000. Noted Dec. 6.

Mass., Boston—PUMP and ENGINE—Treas. Dpt., Wash., D. C., fire pump and gas engine at U. S. Quarantine Station, Gallops Island, to Worthington Pump & Machine Co., 201 Devonshire St., $4,139.

N. Y., Brooklyn—DREDGING—U. S Engineer Office, Army Bldg., 39 Whitehall St., 77,800 cu.yd. Newtown Creek, to Morris & Cumings Dredging Co., 15 Moore St., New York, at $0.72 per cu.yd. Noted Dec. 6.

N. Y., New York — DREDGING—U. S. Engineer Office, Army Bldg., 39 Whitehall St., 409,000 cu.yd. Harlem River, to J. S. Packard Dredging Co., 1004 Turks Head Bldg., Providence, R. I., $222,345. Noted Nov. 29.

Pa., Phila.—REPAIRING—U. S. Engineers Office, U. S. Dredge "Capt. Huston," to Phila. Navy Yard, Phila., $59,877.

Delaware and Maryland — DOLPHINS, etc.—U. S. Engineer Office, Wilmington, Del., mooring dolphins and boardwalks along Inland Waterway, to S. D. Collins, Port Penn., Del., $18,353. Noted Dec. 13.

Md., Annapolis—TURBO-GENERATOR, etc.—Spec. 5629—Bureau Yards & Docks, Navy Dpt., Wash., D. C., turbo-generator, auxiliary equipment at U. S. Naval Academy, to General Electric Co., River Rd., Schenectady, N. Y., $40,100 (180 days). Noted Dec. 6.

D. C., Wash.—BRIDGE—Executive Officer Arlington Memorial Bridge Comn., Navy Bldg., Boundary Channel Bridge of Arlington Memorial Bridge Project, to N. P. Severin Co., 222 West Adams St., Chicago, Ill., $338,000 (400 days). Noted Oct. 25.

D. C., Wash. — RIP RAP SEAWALL FOUNDATION—U. S. Engineer Office, Navy Bldg., along Potomac and Anacostia Rivers, to Smoot Sand & Gravel Co., 3020 K St. N.W., $90,065. Noted Nov. 29.

Fla., Pensacola—CONCRETE BRIDGE—Spec. 5646—Bureau Yards & Docks, Navy Dpt., Wash., D. C., at Naval Air Station,

Federal Government Work (Continued)

to Newport Constr. & Eng. Co., Inc., Law Bldg., Newport News, Va. Est. $118,800 (360 days). Noted Dec. 13.

Ill., Rock Island—BOILERS—U. S. Engineer Office, for U. S. Towboat "Nauvoo," to Foster Marine Boiler Corp., 165 Bway., New York, $13,130.

Calif., San Francisco—REPAIRS—U. S. Engineer Office, to San Pablo, to General Eng. & Drydocking Co., 1100 Sansome St., $10,194.

Unclassified

Proposed Work

MEMORIAL PARK—**Northampton, Mass.**—City, Bd. Trustees, F. E. Dow, sketches by J. W. Beal, 185 Devonshire St., Boston, memorial park. $25,000 or more.

FIRE ALARM EQUIPMENT — **Jersey City, N. J.** — Bd. City Comrs., City Hall, soon lets contract fire alarm telegraph equipment, fire alarm telegraph boxes, c.i. pedestals, cross arms, simplex timers with cabinets, copper wire, electro mechanical gongs, etc. $25,000. C. A. Van Keuren, city engr.

BATHING POOL—**Paterson, N. J.**—Bd. Park Comrs., City Hall, concrete swimming pool in Westside Park. $30,000. F. W. Loedc, city engr. Noted Nov. 15.

UNDERPASS — **Durham, N. C.** — City, Southern Ry. System, B. Herman, ch. engr., Wash., D. C., and Seaboard Air Line Ry., W. D. Faucette, ch. engr., Savannah, Ga., underpass at Pine St. and railroad crossing. $75,000.

TRANSMISSION LINE — **Greensboro, N. C.**—Duke Power Co., Charlotte, removing power lines and towers in western and northwestern section city, and constructing 4 mi new lines along general meanderings Buffalo Creek. Modern and improved types of material will be used.

ARENA and COLISEUM — **Covington, Ky.** — Tacoma Sports Coliseum, Inc., coliseum, 20,000 seating capacity arena, gymnasium, race track, boxing and wrestling ring. $250,000.

HIGH TENSION LINE—**Missouri**—Missouri Electric Power Co., Mountain Grove, 150 mi. high tension line along U. S. Hy. 66, between Marshfield and Cuba.

CONCENTRATION and REDUCTION PLANT—**Fredericktown, Mo.**—St. Louis Smelting & Refining Co., 722 Chestnut St., St. Louis, preliminary plans concentration and reduction plant, installing power lines on 800-acre lead mine tract, near here. Private plans.

GAS PIPE LINE—**Texas**—Tritex Oil Co., Gunter Bldg., San Antonio, bids in January, 70 mi. 8 in. gas pipe line from point in Zavalla Co. to Catarina. $250,000. Private plans.

OIL PIPE LINE — **Texas** — American Maracaibo Oil Co., 100 Bway., New York, purchased oil leases from Henshaw Oil Corp. in West Texas, and making preliminary plans trunk line from oil fields to point on Houston, Tex., ship channel. $7,000,000. Private plans.

OIL PIPE LINE, etc.—**Texas**—Sun Oil Co., 420 Lexington Ave., New York, preliminary plans 75 mi. 10 in. pipe line from point in Washington Co. to Liberty; 4 or 5 steel 60,000 bbl. storage tanks in Brenham, Washington Co. $200,000. Private plans.

NURSERY DEVELOPMENT — **Sweetwater, Tex.** — Texas Nurseries, Sherman, developing 43 acres for nurseries, incl. wells, electric pumps for irrigation. Private plans.

STILLS—**Cyril, Okla.**—Anderson-Prichard Co., Colcord Bldg., Oklahoma City, 2 high pressure cracking stills in refinery. $50,000. Private plans.

LIGHTING SYSTEM — **Santa Barbara, Calif.**—Ornamental lighting system (metal standards) on Loma Alta Dr. between Canyon Presidio and the Mesa. $30,000.

LIGHTING SYSTEM—**Stockton, Calif.**—City, 102 Duplex standards on Market, El Dorado, Hunter and Sutter Sts. $25,000 or more. W. B. Hogan, city engr.

GRAIN ELEVATOR — **Sarnia, Ont.**—Sarnia Elevator Co., G. Leach, mgr., plans by C. D. Howe & Co., 712 Whalen Bldg., Port Arthur, rein.-con. elevator addition, Waterfront. $40,000. Noted Nov. 8.

Bids Asked

ELEVATORS—**Albany, N. Y.**—Jan. 3, by A. E. Smith, governor and chn. State Building & Site Com., Capitol, elevators, completion State Office Building. Former bids rejected. Noted Dec. 6 under "Buildings Commercial."

GENERATOR—**Binghamton, N. Y.**—Jan. 23, by Commissioner Dpt. Mental Hygiene, Albany, electric generator for Binghamton State Hospital; adv. E. N.-R. Dec. 20.

ELECTRICAL WORK — **Kings Park, N. Y.**—Jan. 23, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, electrical work, rewiring Buildings B, C and D, at Kings Park State Hospital; adv. E. N.-R. Dec. 20.

BALCONIES, etc.—**New York, N. Y.**—Dec. 26, by B. S. Coler, comr. Dpt. P. Welfare, Municipal Bldg., enclosing balconies, screening window and door openings, in Metropolitan Hospital Dist., installing new steam, return hot and cold water mains in underground conduits, at Metropolitan Hospital, general construction, new balconies, south end Children's Pavilion, City Hospital Dist., all Welfare Island.

BORINGS—**New York, N. Y.**—Dec. 28, by J. Miller, pres. Manhattan Boro, Municipal Bldg., wash and rock core borings, test pits on site Ward's Island Sewage Treatment Plant, Manhattan Boro. Noted Nov. 15 under "Sewers."

PARK IMPROVEMENTS, etc. — **New York, N. Y.** — Dec. 21, by W. R. Herrick, pres. Park Bd., Park Dpt., Arsenal Bldg., Central Park, paving roadway of bridge, approaches at Boston Rd. and Bronx River, Bronx Park, chain link wire fence around playground near school in St. Mary's Park, placing top soil on park lands, Joyce Kilmer Park, all foregoing Bronx Boro; improving playground, High Bridge Park, permanent park benches, concrete curbing, and repairing bow bridge, spreading course, sharp sand on bridle paths, all in Central Park; wrought iron fence, paving terrace Soldiers and Sailors Monument, Riverside Dr.; high chain link fence, Queens Boro Bridge Playground; galvanized chain link fences with gates, various parks; repairing cement walks, Bowling Green, Battery Pl. and Columbus Parks; cement walks, drainage, retaining wall, Isham Park; test borings for African Hall and Power Service Building and sheet metal work, etc. at Amer. Museum of Natural History, Manhattan Sq.; comfort station, Colonial Park; grading, fences, water supply, Fort Washington Park; permanent park benches, along Harlem River Driveway.

ELECTRICAL SYSTEM — **Rye Beach** (mail Rye), **N. Y.** — Jan. 7, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, electrical system in administration building and music tower at "Playland," Rye Beach. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Dec. 20.

FRESH AIR CAMP—**Long Branch, N. J.**—Meyers, Bigelow & Shanley, archts., 24 Walnut St., Newark, taking new bids general contract fresh air camp, incl. 2 story, 42 x 96 ft. main building, two 2 story, 30 x 88 ft. dormitories, 1 story, 45 x 100 ft. service building, 1 story, 20 x 36 ft. infirmary, Ocean and Atlantic Aves., for Salvation Army, 120 West 14th St., New York. Est. $200,000. Former bids rejected. Noted July 26.

TUNNEL—**Cincinnati, O.**—Dec. 29, by J. E. Harper, dir. Dpt. Welfare, 9th and Oak Sts., Columbus, 1,100 ft. 6 x 6 ft. rein.-con. tunnel for steam and water pipes. $26,000. H. B. Briggs, Ohio-Hartman Bldg., Columbus, engr.

CULVERTS—**Rock Rapids, Ia.**—Dec. 27, at office Auditor Lyon Co., 50 items culvert work. R. H. Fuller, Rock Rapids, co. engr.

CULVERTS — **Cimmarron, Kan.** — See "Bridges."

Contracts Awarded

TOWER—**Newport, R. I.**—City, A. J. MacIver, chn. com., stone tower, Miantonomi Memorial Park, to Carey Quarry & Constr. Co., 56 North Main St., Fall River, Mass. Est. $25,000.

SPECIAL WORK—**New York, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work (rails, frogs, and switches) Order 46, to Bethlehem Steel Co., 25 Bway., $36,990; Order 47, to Lorain Steel Co., 71 Bway., $35,714. Noted Dec. 6.

LIGHTING SYSTEM—**Forest Park, Ill.**—Chamber Commerce, lighting systems, incl. two 1,000 candle power lamps on decorative iron poles, set every 60 ft. on both sides Madison St. and Roosevelt Rd. from Harlem to Des Plaines Aves., to Electrical Contg. Co., 844 Rush St., Chicago. Est. $500,000.

TUNNEL KILN—**Mexico, Mo.**—A. P. Green Fire Brick Co., Unit 3 tunnel kiln for brick plant, 36,000 bricks daily, to H. K. Ferguson Co., Hanna Bldg., Cleveland, O. Est. $300,000.

REFRIGERATOR CARS—**St. Louis, Mo.**—American Refrigerator Transit Co., Missouri Pacific Bldg., 13th and Olive Sts., 1,000 new refrigerator cars, 80,000 lb. capacity, to Pressed Steel Co., 310 South Michigan Blvd., Chicago, Ill. Est. exceeds $3,000,000.

OIL PIPE LINE—**Oklahoma**—Anderson-Pritchard Co., Colcord Bldg., Oklahoma City, 40 mi. 4 in. oil pipe line between Cyril refinery and Walters, to Meadors & Whitaker, Burkburnett, Tex., $121,000. Est. $125,000.

OIL PIPE LINE — **Oklahoma** — Indian Territory Illuminating Oil Co., Bartlesville, W. P. Sutton, supt., surveys 20 mi. 8 in. oil pipe line from new oil fields at Oklahoma City to trunk pipe line at McCloud. $100,000. Private plans.

OIL PIPE LINE — **Oklahoma** — Indian Territory Illuminating Oil Co., Bartlesville, W. P. Sutton, supt., surveys 35 mi. 8 in. oil pipe line from Crescent to Oklahoma City. $100,000. Private plans.

GUARD RAILS—**California**—State Hy. Dpt., Sacramento, 3.1 mi. timber guard rails on Dublin-Hayward Hy., Alameda Co., to L. J. Immel, 1031 Evelyn St., Berkeley, $10,545.

OVERHEAD CROSSING — **California** — C. H. Purcell, state hy. engr., Sacramento, replacing old subway with six 40 ft. and eleven 30 ft. span rein.-con. encased steel girder overhead crossing over Southern Pacific Ry., also 100 ft. rein.-con. arched culvert, 20 ft. clear span at Rincon Creek, Santa Barbara Co., to P. M. White, 728 21st Pl., Santa Monica, $97,258. Noted Nov. 15.

ICE BREAKER — **Ottawa, Ont.** — Dominion Govt., 200 ft. ice breaker, 42 ft. wide, 3,000 hp., to St. John Dry Dock Co., St. John, N. B., $759,000.

Materials

Bids Asked

FUEL OIL—**Long Island City, N. Y.**—Dec. 34, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., 425,000 gal. fuel oil; 25,000 tons steam ashes, in scows, alongside dock; 10,000 tons steam ashes in 5th Ward; 900 tons of asphaltic cement in tight containers; 15,000 cu.yd. asphalt sand, 6,000 cu.yd. concrete paving sand, and 5,000 cu.yd. screenings in scows alongside dock.

RIP RAP—**New York, N. Y.**—Dec. 24, by P. J. Dooling, comr. Purchase, Municipal Bldg., rip rap to Dpt. Plant & Structures.

STONE, GRAVEL, etc.—**Kokomo, Ind.**—Dec. 27, by Comrs. Howard Co., at office O. O. Butcher, aud., crushed stone, gravel, gravel crusher, creosote flooring, sewer pipe, gasoline, lubricating oil and greases.

PIPE, VALVES, etc.—**Milwaukee, Wis.**—Dec. 28, by Central Bd. Purchases, J. W. Nicholson, purch. agt., 8,500 tons 6- to 16-in. water pipe; 400 tons special castings, 50 tons offsets, eleven ¾ in. special tapping sleeves and clamps; corporation cocks; stop cock boxes; 2,000 extension pieces; nine hundred fifty 6- to 16-in. gate valves; two hundred thirty-five 2- to 6-in. tapping valves.

GRAVEL—**Houston, Tex.**—Jan. 2, by H. L. Washburn, aud. Harris Co., 5,000 tons topping gravel for Precinct 3. A. J. Wise, Houston, co. engr.

Bids Received

MOTOR OIL—**Long Island City, N. Y.**—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Dec. 13, 300,000 gal. motor oil to Bureau Street Cleaning, from Explosive Chemical Co., 2 Lafayette St., New York, $4,800; 300,000 gal. gasoline in drums, from Warner Quinlan Co., 32 Beaver St., New York, $35,730. Noted Dec. 6.

Contracts Awarded

PORTLAND CEMENT—**Milwaukee, Wis.**—Central Bd. Purchases, J. W. Nicholson, purch. agt., 10,000 bbl. portland cement, to Froemming Corp., Green Bay Ave. and Gruber St., at $2.02 per bbl. Noted Nov. 15.

Foreign

Hawaii, Honolulu — G. S. Underwood, archt., Hibernian Bldg., Los Angeles, Calif., taking bids 2 and 4 story, brick, timber hotel, for W. Gustin, c/o architect. $350,000.

Porto Rico—Pan American Airways, 36 St., Miami, Fla., soon lets contract airport, Grande Island, San Juan.

South America, Chili, Santiago—Ministry of Education constructing school for 4 year period, from Foundation Co., 120 Bway., New York. Est. $7,200,000.

See proposal advertising on page 122

Constr. News page 335

UNIT PRICES

Hydro-Electric Development—Eugene, Ore.

Water Board, C. A. McClain, superintendent, opened bids June 5, Leaburg hydro-electric development on McKenzie River, Contract "F," headworks; Contract "G," canal and tailrace; Contract "H," forebay, penstocks, siphons and power house No. 2. Lowest two and highest bidders are given on each contract. A. Guthrie & Co., Sherlock Bldg., San Francisco, Calif., was successful bidder on the three contracts. Bidders are: Contract "F," (A) A. Guthrie & Co.; (B) Lord & Bishop; (C) Folwell Engineering Co.; Contract "G," (A) A. Guthrie & Co.; (B) George Mitchell Co.; (C) Casseday Engineering & Construction Co.; Contract "H," (A) A. Guthrie & Co.; (B) Utah Construction Co.; (C) Henry & McFee Contracting Co. Stevens & Koon, Spalding Bldg., Portland, consulting engineers.

CONTRACT F

	A	B	C
Clearing and grubbing (lump sum)	$750.00	$800.00	$3,000.00
Cofferdams and care of water	45,000.00	30,000.00	102,600.00
3,000 cu.yd. trench excav. (common)	3.50	4.00	3.67
360 cu.yd. trench excav. (rock)	6.00	10.00	14.67
10,400 cu.yd. open excav. (common)	.45	.80	.75
4,000 cu.yd. open excav. (rock)	3.50	3.50	2.95
1,700 cu.yd. compacted embankment	.25	.50	.58
1,200 cu.yd. riprap	1.50	2.00	2.20
8,140 cu.yd. conc. in spillway and piers, below elev. 728	9.00	12.00	7.70
3,350 cu.yd. conc. in spillway and piers, below elev. 728	9.75	9.00	11.75
340 cu.yd. conc. in walls, 2 ft. thick or less	17.00	10.00	16.15
300 cu.yd. conc. in beams and slabs	19.00	15.00	22.35
750 cu.yd. conc. in east wing wall	10.00	8.00	8.00
420 cu.yd. conc. in canal walls	11.00	9.00	11.75
20,000 bbl. domestic cement	3.75	4.10	5.15
220,000 lb. unbent reinforcement bars	.05	.045	.054
153,000 lb. bent reinforcement bars	.055	.05	.058
2,000 lb. copper plates for seals	.35	1.00	.60
1,200 lin.ft. guniting expansion joints	.50	.25	.30
1,200 lin.ft. drilling rock for pressure grouting	1.75	3.00	1.50
30 cu.yd. cement grout for pressure grouting	30.00	50.00	44.00
50 cu.yd. cement grouting for steel in recesses	30.00	30.00	44.00
200 lin.ft. drilling rock for anchors	1.75	.50	2.95
500 cu.yd. backfill	.75	1.00	.75
5,000 cu.yd. grading highways	.35	.50	.75
2,500 sq.yd. surfacing highways	.50	.80	1.50
100 cu.yd. gravel fill in weep hole trenches	2.50	1.50	2.95
13M ft. b.m. timber shop logs	50.00	40.00	75.00
5M ft. b.m. miscellaneous lumber	60.00	40.00	88.00
12M ft. b.m. timber floor in sluice ways	50.00	40.00	66.00
2M ft. b.m. timber seals for gates	90.00	50.00	147.00
6M ft. b.m. timber guards for highways	75.00	50.00	110.00
280,000 steel in highway bridge	.075	.08	.095
120,000 lb. steel sheet piling for drift fender	.06	.06	.05½
66 sq.ft. Irving steel subway flooring	2.00	1.50	2.00
27,000 lb. miscellaneous steel	.15	.15	.16
1,400 lb. bolts in sluiceway floor	.14	.20	.19
2,000 lb. steel lifting devices for stop logs	.25	.15	.155
5,400 lb. pipe in hand rails	.20	.20	.38
8,000 lb. miscellaneous piping	.20	.12	.37
10,000 lb. galvanized conduits for electric wiring	.20	.20	.365
Oscillating chain curtain for fish screen	1,750.00	3,000.00	2,950.00
Welded iron posts and cable hand-rail	700.00	600.00	1,466.00
Gate for trash chute with hoist	500.00	500.00	586.00
Transporting and erecting roller gates	2,500.00	15,000.00	22,000.00
Transporting and erecting sluice gates	1,000.00	1,000.00	1,466.00
Transporting and erecting canal gate and hoist	600.00	600.00	1,100.00
Building 4 steel and stucco houses	3,500.00	5,000.00	11,750.00
220 lin.ft. 4 in. drain tile	.25	.40	.88
Bronze name plate and miscellaneous work	500.00	500.00	7,335.00
Totals	$364,971	$399,687	$510,580

CONTRACT G

	A	B	C
30 acres clearing and grubbing	$350.00	$200.00	
385,000 cu.yd. canal excav., Class "A"	.15	.21	$0.47
350,000 cu.yd. canal excav., Class "B"	.35	.28	.47
106,000 cu.yd. canal excav., Class "C"	.90	1.10	1.60
16,000 cu.yd. canal excav., Class "D"	.45	.50	.47
131,000 cu.yd. compacted embankment	.15	.15	.15
15 acres plowing furrows	85.00	20.00	20.00
70,000 cu.yd. hauling, not over 1,200 ft.	.15	.25	.05
800 cu.yd. puddle fill	.50	1.00	4.00
200 cu.yd. dry stone walls	7.00	10.00	4.50
6,000 lin.ft. log crib, hauling and erecting	.20	1.00	.75
7,500 lb. drift bolts for log crib	.06	.10	.06
Furnishing and erecting Taintor gate and hoist	1,600.00	2,000.00	1,547.00
4,000 lb. furnishing and erecting steel foot bridge	.14	.22	.138
1,050 bbl. domestic cement	3.70	4.20	5.00
315 cu.yd. excav. for highway bridge, common	.75	2.00	2.00
372 cu.yd. conc. in piers and foundations of highway bridge	15.00	27.00	17.60
163 cu.yd. conc. in floor slab of highway bridge	16.00	20.00	19.70
434 lin.ft. conc. handrails for highway bridge	4.50	9.00	4.00
2,000 sq.ft. surface finish of conc. in highway bridge	.15	.20	.15
96,000 lb. reinf. steel in highway bridge	.055	.08	.042
600 cu.yd. excav. for misc. structures, common	1.00	2.00	2.00
250 cu.yd. excav. for misc. structures, rock	2.50	4.00	4.50
110 cu.yd. conc. for misc. structures	16.00	20.00	25.00
3,000 lb. reinf. steel for misc. structures	.08	.10	.042
33,000 lb. c.i. pipe and fittings, 6-24-in.	.07	.10	.0925
1,800 lb. welded steel pipe, wrapped and dipped	.20	.15	.15
5 1¼-in. corporation cocks	10.00	12.00	13.00
50 cu.yd. backfill for misc. structures	1.00	1.00	.50
Outlet gates, 2 24-in., 2 12-in., 4 8-in.	750.00	700.00	996.00
10M ft. b.m. lumber structures	60.00	85.00	75.00
200 lin.ft. piling, hauling and driving	.50	1.00	.40
Grading, clean-up and misc. work	3,500.00	500.00	11,895.53
Totals	$362,072	$402,110	$601,930

CONTRACT H

	A	B	C
Clearing and grubbing (lump sum)	$1,000.00	$2,000.00	$1,725.00
24,000 cu.yd. excav. in forebay Class "A"	.20	.32	.72
38,000 cu.yd. excav. in forebay Class "B"	.35	.32	.83
400 cu.yd. excav. in forebay Class "C"	1.50	1.25	1.75
48,000 cu.yd. haul from forebay excav.	.10	.08	.32
1,400 cu.yd. compacted embankment in forebay	.25	.10	.575
8,800 cu.yd. backfill	.50	.50	.81
Cofferdams and care of water	6,500.00	8,000.00	37,934.50
18,000 cu.yd. excav. for structures, common	1.00	.50	1.76
5,600 cu.yd. excav. for structures, rock	2.25	2.00	3.20
2,000 cu.yd. grading highway	.40	1.00	.575
2,600 sq.yd. surfacing highway	.50	.50	3.40
14,500 bbl. domestic cement	3.60	4.20	4.40
2,040 cu.yd. conc. in penstock block and warped walls	9.50	10.00	15.25
1,880 cu.yd. conc. in siphon block	10.50	12.00	16.45
920 cu.yd. conc. in wasteway	12.25	16.00	14.95
1,300 cu.yd. conc. in penstocks	13.00	18.00	18.80
Forms for scroll case and draft tube	1,800.00	1,800.00	4,388.00
1,900 cu.yd. conc. in turbine block, piers and warped walls	11.00	12.00	9.45
860 cu.yd. conc. in floors, walls, switch cells and roof slab	18.00	24.00	15.00
230 cu.yd. conc. in yard structures	16.00	14.00	20.35
110 lin.ft. conc. in pre-cast wid	1.00	1.50	2.30
140,000 cu.yd. unbent reinf. steel	.05	.05	.05
440,000 lb. bent reinf. steel	.055	.06	.053
20,000 lb. roof trusses, structural steel	.075	.10	.07
25,000 lb. misc. steel	.15	.10	.1725
2,000 lb. sheet metal in hoods, louvres, etc.	.30	.10	.35
Steel sash, glazed, for power house windows	1,600.00	2,000.00	1,902.00
Kalamein doors, window frames and trim	750.00	1,600.00	610.00
Rolling door with wicket	700.00	350.00	780.00
Glazing partitions between control and gen. rooms	50.00	75.00	60.00
28,000 lb. electrical conduit system, galv. steel	.18	.12	.124

(Concluded on page 336a)

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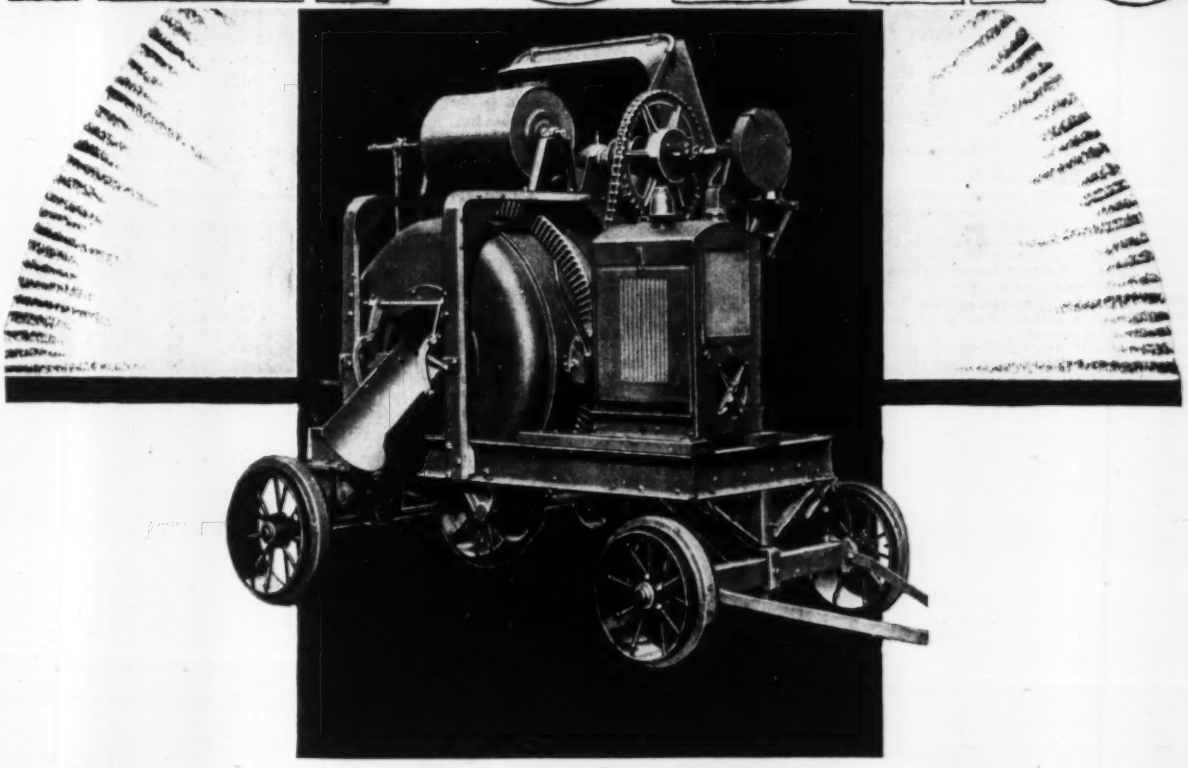
UNIT PRICES Continued on Page 336a

REPUBLIC Concrete Mixers



What It Takes We Have!

Distributors

Republic Mixers are fast sellers. Some territory is still open. Send coupon for full information.

THAT'S the story in a nutshell about the new Republic Roller Bearing Mixers. They have everything. Appeal to contractor and dealer alike.

Contractors like the simple, sturdy, *roller bearing* construction of Republic Mixers. They like their speed of mixing, faster discharge, easier cleaning, longer life, one man control.

For Republic specifications are equal to the finest and better than most. Yet the prices are within reach and favorable terms may be arranged.

Dealers find in Republic Mixers an opportunity for more business at less expense. More models, new features and improved construction make Republics easier to sell. They move off the floor and that means money in the till.

Speed up work or speed up sales! Investigate from either viewpoint. There's a profit to be made both ways.

Our new bulletins, recently published, tell an interesting story of Republic advantages. Send for them now.

REPUBLIC IRON WORKS
TECUMSEH, MICH.

COUPON

REPUBLIC IRON WORKS, Tecumseh, Mich.

Please send complete information about Republic Roller Bearing Mixers.

Check whether for:

( ) Contractor
( ) Distributor

Name .....

Address .....

City ..... State .....

UNIT PRICES

Street Improvement—Knoxville, Tenn.

City opened bids Aug. 27 extending and widening Henley St. from (A) Murray Construction Co., Holston National Bank Bldg., (awarded contract); (B) Southern P. C. Co., Chattanooga; (C) Lee A. Gridley Co., Knoxville, (D) R. G. Lassiter, Raleigh, N. C. W. W. Mynatt, director Public Service.

		A	B	C	D
2,000 sq.yd. sheet asphalt, 2 in. thick		$0.67	$0.70	$0.65	$0.89
26,000 sq.yd. sheet asphalt, 1½ in. thick		.43	.45	.54	.71
26,000 sq.yd. binder 1½ in. thick		.31	.30	.42	.35
2,000 sq.yd. conc. base 6 in. thick, 1-2½-5 mix		.94	1.15	1.01	1.09
26,000 sq.yd. conc. base 8 in. thick 1-2½-5 mix		1.22	1.45	1.31	1.39
200 sq.ft. expansion joints		.15	.20	.25	.10
20 tons binder		6.00	10.00	10.00	7.00
25,000 cu.yd. excav.		.40	.50	.42	.50
10,000 cu.yd. embankment		.01	.05	.05	.05
300 cu.yd. solid rock in subgrade		2.00	2.00	5.00	4.00
300 cu.yd. solid rock in trench		5.00	5.00	5.00	7.00
8,000 lin.ft. removal of conc. and stone headers and curb		.07	.15	.08	.06
2,000 lin.ft. removal of gutter		.07	.15	.01	.06
200 lin.ft. removal of old concrete and stone culvert		1.00	1.50	.50	2.00
500 lin.ft. removal of trees more than 6 inches in diameter		8.00	12.50	10.00	15.00
8,000 lin.ft. conc. curb 6x18 in.		.47	.50	.50	.50
800 lin.ft. conc. curb radius		.90	.90	.90	.70
300 sq.ft. conc. gutter		.25	.20	.20	.25
11,000 sq.yd. conc. sidewalk		1.20	1.20	1.30	1.25
100 sq.yd. conc. driveways		1.80	1.75	1.70	1.75
400 lin.ft. 4 in. c.i. drain		.75	.50	.50	.50
350 lin.ft. stone headers set		.35	.25	.50	.35
400 cu.yd. conc. 1-2-4 mix		17.00	15.00	16.00	15.00
350 cu.yd. conc. 1-2½-5 mix		11.50	13.50	15.00	14.00
60,000 lb. reinforcing bars		.04	.05	.05	.06
18,500 sq.yd. removal of old asphalt		.15	.25	.25	.20
Sewer pipe and trenching	Depth				
500 lin.ft. 6 in.	0-4 ft.	.41	.45	.60	.45
1,000 lin.ft.	4-6 ft.	.50	.50	.68	.50
800 lin.ft.	6-8 ft.	.62	.65	.84	.70
400 lin.ft.	8-10 ft.	.91	.90	1.40	1.10
100 lin.ft.	10-12 ft.	1.41	1.50	1.60	2.20
600 lin.ft. 8 in.	0-4 ft.	.48	.55	.55	.60
900 lin.ft.	4-6 ft.	.59	.65	.65	.70
500 lin.ft.	6-8 ft.	.79	.80	.79	.90
800 lin.ft.	8-10 ft.	.95	1.15	1.40	1.20
200 lin.ft.	10-12 ft.	1.45	1.60	1.80	2.40
200 lin.ft. 12 in.	0-4 ft.	.68	.75	.86	.85
200 lin.ft.	4-6 ft.	.76	.90	.96	1.00
100 lin.ft.	6-8 ft.	1.00	1.10	1.13	1.15
200 lin.ft. 15 in.	0-4 ft.	.99	1.00	1.20	1.10
350 lin.ft.	4-6 ft.	1.10	1.25	1.34	1.16
200 lin.ft.	6-8 ft.	1.28	1.50	1.57	1.40
100 lin.ft. 18 in.	0-4 ft.	1.28	1.40	1.68	1.25
200 lin.ft.	4-6 ft.	1.42	1.50	1.89	1.40
400 lin.ft.	6-8 ft.	1.59	1.75	2.31	1.75
100 lin.ft. 21 in.	4-6 ft.	2.11	2.25	2.94	2.25
300 lin.ft. 24 in.	4-6 ft.	2.51	2.50	3.36	2.90
300 lin.ft.	6-8 ft.	2.75	3.00	3.76	3.10
300 lin.ft. 30 in.	4-6 ft.	4.10	4.50	5.31	4.00
250 lin.ft.	6-8 ft.	4.34	5.00	5.74	4.50
100 6 in. bends		.65	1.00	.60	.50
100 8 in. x 6 in. wyes		1.35	1.75	1.00	1.20
100 lin.ft. 6 in. c.i. pipe in excess of straight pipe "B"		1.22	.75	.75	.60
50 lin.ft. 8 in. c.i. pipe in excess of straight pipe class "B"		1.80	1.00	1.50	.75
Manholes	Depth				
4	0-4 ft.	35.00	30.00	40.00	35.00
5	4-6 ft.	45.00	37.50	55.00	45.00
5	6-8 ft.	55.00	50.00	65.00	55.00
3	8-10 ft.	75.00	65.00	75.00	70.00
Catch basins 18 in. x 36 in.	Depth				
10	0-4 ft.	43.00	35.00	40.00	35.00
20	4-6 ft.	53.00	45.00	48.00	45.00
10	6-8 ft.	68.00	55.00	60.00	55.00
5	8-10 ft.	83.00	75.00	75.00	70.00
2 24 in. x 48 in.	4-6 ft.	75.00	65.00	75.00	65.00
2 18 in. x 18 in.	0-4 ft.	44.00	35.00	40.00	22.00
2 24 in. x 24 in.	0-4 ft.	44.00	40.00	30.00	27.00
28,000 sq.yd. five year maint. on asph.		.01	.02	.035	.05
28,000 sq.yd. curing conc. base with calcium chloride		.01	.02	.025	.05
Trenching and backfilling	Depth				
150 lin.ft. for 16 in. water main	4-6 ft.	.52	.65	.50	.60
150 lin.ft. 16 in. water main	6-8 ft.	.65	.90	.70	.75
1,900 lin.ft. 12 in. water main	0-4 ft.	.30	.40	.30	.30
200 lin.ft. 12 in. water main	4-6 ft.	.44	.50	.40	.32
100 lin.ft. 12 in. water main	6-8 ft.	.60	.65	.50	.40
100 lin.ft. 8 in. water main	0-4 ft.	.24	.40	.35	.24
1,000 lin.ft. 6 in. water main	0-4 ft.	.24	.25	.27	.22
6,000 lin.ft., for water serv. less than 6 in.	0-4 ft.	.24	.25	.27	.20
250 cu.yd. solid rock excav. in water trench		5.00	4.00	5.00	6.00
Totals		$121,888	$140,110	$143,390	$150,640
Plus 10%		12,188	14,011	14,339	15,063
Grand totals		134,076	154,121	157,729	165,703

Engineering News-Record, Issue of December 20, 1928

Sewers—Ada, Okla.

City opened bids Oct. 16 lateral sewers and ejector station in District No. 20. Bidders are: (A) Asplund Construction Co., Masonic Bldg., Enid, (awarded contract); (B) Chilcutt & Fry Brothers; (C) Standard Paving Co., Tulsa. Black & Veatch, Mutual Bldg., Kansas City, engineers.

	A	B	C
650 lin.ft. cast iron pipe, ejector line, 4 in.	$0.70	$0.90	$0.80
250 lin.ft. cast iron pipe, 6 in.	.90	1.10	1.00
4,570 lin.ft. vitr. sewer pipe, 6 in.	.60	.60	.65
645 lin.ft. vitr. sewer pipe, 8 in.	.75	.78	.75
6 standard manholes	80.00	95.00	85.00
2 drop manholes	90.00	105.00	95.00
14 shallow type manholes	80.00	90.00	85.00
1 shallow type drop manholes	90.00	105.00	95.00
5,165 lin.ft. trench, 0 to 6 ft.	.62	.70	.65
380 lin.ft. trench, 6 to 8 ft.	.73	.80	.78
975 cu.yd. rock excav.	2.50	2.00	4.75
330 cu.yd. embankment	.60	.60	.75
Ejector Station (lump sum)	7,400.00	6,900.00	7,650.00
Totals	$19,710	$19,786	$22,860

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Hydro-Electric Development (*Continued from page 342*)

4,000 lb. electrical conduit system, fibre	.20	.30	.14
3,000 lb. copper seals and flashings	.35	.50	.32
Plumbing fixtures in power house	150.00	175.00	460.00
3,000 lb. misc. welded steel pipe and fittings, black	.16	.10	.10
6,000 lb. misc. welded steel pipe and fittings, galv.	.17	.12	.11
15,000 lb. c.i. pipe 3-8-in. and fittings	.08	.06	.05
9,000 lb. c.i. soil pipe 4-6-in. and fittings	.13	.05	.06
2,000 lb. handrails, welded steel ball pattern	.20	.10	.10
Furnishing and erecting one 6-in. sump pump	1,250.00	300.00	1,252.00
30,000 lb. steel racks for penstock and siphon blocks	.08	.06	.107
10,000 lb. steel pipe air vents, 36-in. with hoods	.085	.08	.09
11,000 lb. steel siphon primers	.09	.10	.13
500 lb. stilling wells, 24-in., 16 gage pipe	.11	.12	.23
4,500 lb. welded steel trash pipe	.10	.10	.095
75 lin.ft. conc. culvert pipe, 36-in., reinf.	7.00	6.00	6.20
Sluice gate and stand, 36-in. for forebay	350.00	350.00	965.00
Trash gate and wheel, 24-in. for forebay	150.00	250.00	289.00
20M ft. b.m. stop logs for penstocks and draft tube	50.00	60.00	62.00
3M ft. b.m. timber support for floor over second unit	60.00	60.00	80.00
2M ft. b.m. misc. lumber	70.00	60.00	60.00
Roofings and flashings for powerhouse	1,050.00	600.00	805.00
Plastered ceiling in control room	60.00	100.00	130.00
Tile ornaments and lettering	500.00	250.00	414.00
1 gate valve for sump pump discharge	65.00	30.00	57.50
4 gate valves, 8-in.	70.00	40.00	64.00
3 gate valves, 6-in. for water system	33.00	30.00	30.00
3 gate valves, 4-in. for water system	23.00	20.00	20.00
Hauling and erecting turbine	4,500.00	4,200.00	3,128.00
Hauling and erecting 30 ton crane	750.00	1,260.00	523.00
Hauling and erecting generator	25.00	42.00	3,128.00
Hauling and erecting exciter	85.00	195.00	145.00
Hauling and placing 3 transformers	6.50	22.00	667.00
Hauling and erecting 1 Broome gate and hoist	550.00	1,200.00	816.00
100 squares painting wood concrete and metal surfaces	6.00	.60	6.90
Name plate, grading, clean-up and misc.	1,500.00	2,000.00	500.00
Totals	$302,188	$327,120	$446,139

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